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HANDBOOK ON CLIMATE OF THE USSR. PART II.(U)
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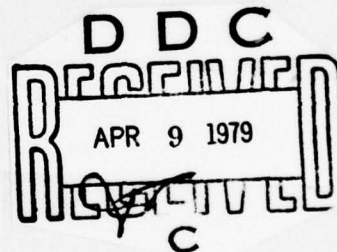
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FOREIGN TECHNOLOGY DIVISION



HANDBOOK ON CLIMATE OF THE USSR



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U. S. BOARD ON GEOGRAPHIC NAMES TRANSLITERATION SYSTEM

Block	Italic	Transliteration	Block	Italic	Transliteration
А а	А а	A, a	Р р	Р р	R, r
Б б	Б б	B, b	С с	С с	S, s
В в	В в	V, v	Т т	Т т	T, t
Г г	Г г	G, g	У у	У у	U, u
Д д	Д д	D, d	Ф ф	Ф ф	F, f
Е е	Е е	Ye, ye; E, e*	Х х	Х х	Kh, kh
Ж ж	Ж ж	Zh, zh	Ц ц	Ц ц	Ts, ts
З з	З з	Z, z	Ч ч	Ч ч	Ch, ch
И и	И и	I, i	Ш ш	Ш ш	Sh, sh
Й й	Й й	Y, y	Щ щ	Щ щ	Shch, shch
К к	К к	K, k	Ъ ъ	Ъ ъ	"
Л л	Л л	L, l	Ы ы	Ы ы	Y, y
М м	М м	M, m	Ь ь	Ь ь	'
Н н	Н н	N, n	Э э	Э э	E, e
О о	О о	O, o	Ю ю	Ю ю	Yu, yu
П п	П п	P, p	Я я	Я я	Ya, ya

*ye initially, after vowels, and after ъ, ь; e elsewhere.
When written as ё in Russian, transliterate as yë or ë.

RUSSIAN AND ENGLISH TRIGONOMETRIC FUNCTIONS

Russian	English	Russian	English	Russian	English
sin	sin	sh	sinh	arc sh	sinh ⁻¹
cos	cos	ch	cosh	arc ch	cosh ⁻¹
tg	tan	th	tanh	arc th	tanh ⁻¹
ctg	cot	cth	coth	arc cth	coth ⁻¹
sec	sec	sch	sech	arc sch	sech ⁻¹
cosec	csc	csch	csch	arc csch	csch ⁻¹
		Russian	English		
		rot	curl		
		lg	log		

HANDBOOK ON CLIMATE OF THE USSR.

Issue 3.

Karelo ASSR, Leningrad, Novgorod and Pskov regions.

Part II.

Temperature of air and soil.

Page 7.

Preface.

Handbook on climate of the USSR consists of 34 issues, comprised by the controls of hydrometeorological service employing single program and the procedure, developed in main geophysical observatory im. A. I. Voyeykov and affirmed by editorial board GUGHS [ГВГМС -

Main Administration of Hydrometeorological Service] with the Council of Ministers of the USSR under the chairmanship of the corresponding member of the AS USSR M. I. Budyko.

Each issue of handbook consists of five parts which contain the characteristics of the separate climatic elements: Part I - the solar radiation, radiation balance and sunshine, Part II - the temperature of air and soil, Parts III - the wind, Part IV - air humidity, precipitation and snow cover, Part V - cloudiness and atmospheric phenomena.

"Handbook on climate of the USSR", issue 3 lights the territory of Karelian ASSR, Leningrad, Novgorod and Pskov regions.

This edition, Part II, consists of two sections: Section 1 it contains information according to the temperature of air, Section 2 - according to the temperature of soil.

Handbook includes the materials of the observations of the meteorological stations, which exist at present or existed sometime earlier in the territory of Karelian ASSR, Leningrad, Novgorod and Pskov regions (in Section 1 - on 205 stations, in Section 2 - on 115 stations).

Material is represented in essence on separate stations in the form of tables with explanatory text in each table or in the group of tables (similar according to the procedure of treatment or according to the representation of materials in them). In Section 1 part of the tables of the mainly probabilistic characteristics, obtained as a result of the corresponding statistical interpretation of long series of observations, is given in the generalized form by regions and depending on average characteristics.

In the text part of each issue, is given the short description of common/general/total laws and conditions/mode of the containing in it cell/element acquaintance with which is useful for the correct utilization of the placed in this publication material.

In this edition data according to the temperature of air and soil are represented from considerable density, furthermore, is a large quantity of tables of probabilities, calculation data which are comprised taking into account the requirements of many branches of national economy.

For obtaining the climatic norms during fundamental period, is accepted period by 1881-1960 according to the temperature of air and period 1891-1963 - according to the temperature of soil.

Page 8.

In main geophysical observatory are prepared: Table 17 - ml. scientific coworker T. A. Golubovoy, Table 18 - Cand. of the geographic sciences V. V. Orlovoy. For Table 21 are determined the coefficients of calculation formulas and is produced zoning Prof. E. S. Rubenstein and Cand. of the geographic sciences L. Ye. Anapol'skoy. Data for Tables 25-36, 39-43 are generalized by junior scientific coworker of GGO [ГГО] - Main Geophysical Observatory] L. G. Konyukova and engineer of LGMO V. S. Kalacheva.

Table 3 and 4 and partially Table 20, 22-24 are calculated with the aid of punchcard tabulators in Novosibirsk the branch of NIIAK under guidance of Cand. of the geographic sciences S. A. Koshinskiy according to the procedure, Prof. S. A. Sapozhnikovoy's developed.

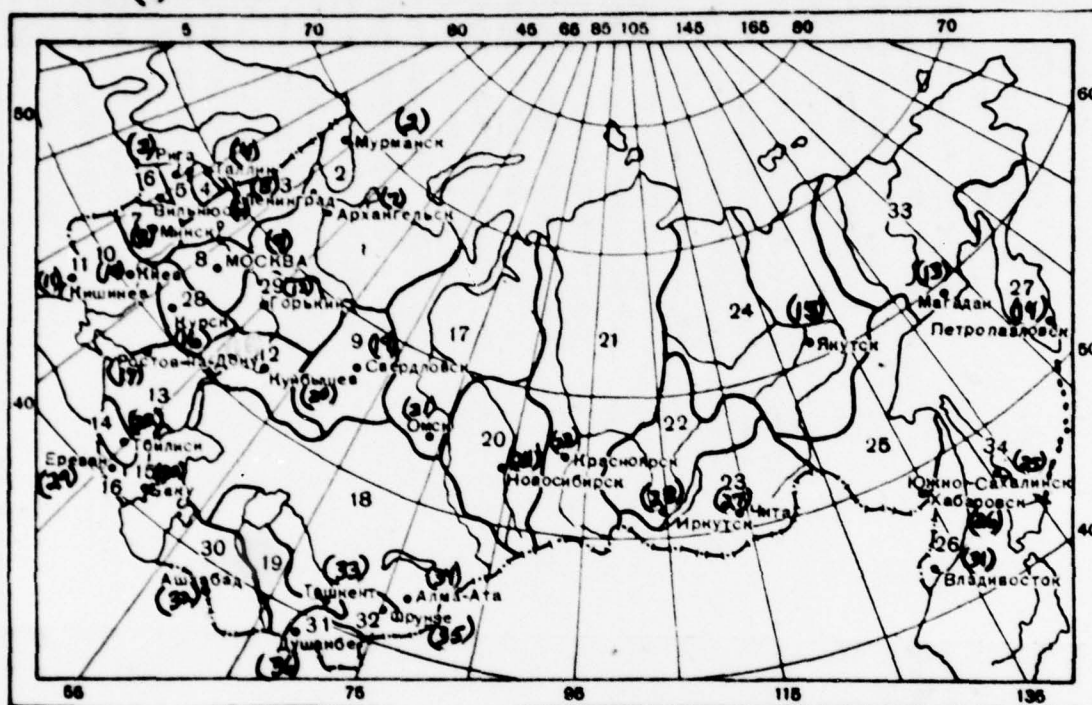
"Handbook on climate of the USSR", issue 3, Part II are prepared for the press/printing: on the territory of KASSR by the coworkers of Petrozavodsk hydrometeorologic observatory - by chief engineer T. A. Pusan with participation of senior technicians M. I. Zuykina, M. N. Mikhaylova and technician V. O. Podvolokina; on the territory of Leningrad, Novgorod and Pskov regions by the coworkers of Leningrad hydrometeorologic observatory - by a division head of climate A. T. Bychkova, chief engineer A. D. Lozhkomoyeva, engineers L. A.

Malinina, V. S. Kalacheva with participation of senior technicians A. D. Zyryayeva, L. N. Smirnova and technicians N. I. Vasil'yeva and A. M. Aref'yeva. The common/general/total guidance of work and the critical editing is produced by A. T. Bychkova.

The common/general/total scientific systematic guidance was realized in the main geophysical observatory of Cand. of the geographic sciences V. V. Orlova.

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(1) СБОРНАЯ КАРТА ВЫПУСКОВ «СПРАВОЧНИКА ПО КЛИМАТУ СССР»



Key: (1). Composite chart of issues of "Handbook on Climate of the USSR". (2). Murmansk. (3). Riga. (4). Tallinn. (5). Leningrad. (6). Vilnius. (7). Arkhangelsk. (8). Minsk. (9). Moscow. (10). Kiev. (11). Kishinev. (12). Gor'kiy. (13). Magadan. (14). Petropavlovsk. (15). Yakutsk. (16). Kursk. (17). Rostov-on-Don. (18). Sverdlovsk. (19). Kuybyshev. (20). Omsk. (21). Tbilisi. (22). Krasnoyarsk. (23). Novosibirsk. (24). Southern — Sakhalin. (25). Khabarovsk. (26). Vladivostok. (27). Chita. (28). Irkutsk. (29). Yerevan. (30). Baku. (31). Ashkhabad. (32). Tashkent. (33). Alma Ata. (34). Frunze. (35). Dushanbe.

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BRIEF CHARACTERISTIC OF TEMPERATURE CONDITIONS AND ITS SPECIAL FEATURES, CONNECTED WITH CONDITION OF FORMATION OF CLIMATE ABOVE THE TERRITORY OF NORTH-WESTERN UGMS [VIMC - ADMINISTRATION OF THE HYDROMETEOROLOGICAL SERVICE].

The short characteristic of the temperature conditions and tables are given in this publication separately on two territories - Karelian ASSR and Leningrad, Novgorod and Pskov regions in view of certain difference in the climatic special feature/peculiarities of these territories, and also for convenience in the utilization of data.

Data according to the temperature of air and soil are acquired on the basis of readings of the liquid (mercury and alcohol) thermometers with Centigrade scale, placed in psychrometric booth at height 2 m, on the bare surface of soil and on ~~one~~ different depths under the nude surface and under natural covering. For obtaining daily variation of air temperature, were utilized the recordings of the thermographs, establish/installled also at height 2 m from the

earth's surface in psychrometric booths. Instrumentation in psychrometric shelter with natural ventilation protects them from the direct effect of the solar radiation. These data characterize the temperature of air at the height indicated and, strictly speaking, without important amendments they can be used only for estimating the thermal mode of the objects, shielded from radiation, i.e., arrange/located in shadow. Virtually the temperature of air, measured ~~is~~ of the psychrometric conditions/mode openly arranged/located territory. During the utilization of average diurnal temperatures of error, they are insignificant; the great difference of observations in booth and of the temperature conditions of exposed surface occurs during the utilization of extreme values. The calculation of corrections to the measured temperature of air for transition to the temperature of different surfaces presents great difficulties, since they depend on the physical properties of this surface, its humidity, conditions of heat exchange with air and other factors. This fact forces in a series of the cases to limit the utilization of data according to the temperature of air only for the comparative evaluations when the disregard of the phenomena indicated does not have great effect.

KARELIAN ASSR.

Karelian ASSR is arranged/located on the northwest of the European USSR. On north the republic borders on Murmansk, in the east on Arkhangel and in south on Vologod and Leningrad regions. On individual sections in south part, the Lagoda and Onega lakes are natural boundaries, just as in the northeast part natural boundary is white sea. In the west of republic, passes state boundary with Finland. The area of Karelia is 172.4 thous. km². Great extent/elongation of KASSR from north to south is approximately 550 km, extent/elongation from west to the east (on latitude g. Kem') is approximately 320 km.

The characteristic feature of Karelia is the strongly separated relief and the abundance of lakes, rivers and swamps. Relief is due by its origin to the reaction of the tectonic after cleaving of tertiary time and quaternary freezing. The ancient tectonic cracks, especially tertiary, which in the northern part of Karelia are directed from west to the east, and in central and south parts - from north-west to the southeast, they created a series of lakes and elevations some of which served in quaternary time as the bed of the attacking/advancing glacier. As a result the glacier began in the same direction, in which were directed tertiary cracks. The numerous scales and ridge/ranges, composed by solid crystalline rocks, in the

process of moving the glacier formed the so-called "sheep fronts" and the "curly scales". By the activity of thaw water in postglacial period were created numerous, diverse in form formations: osar, kames, corrugated sand and flat/plane plains, composed by laminated clays. In the places of large tectonic basin/depressions, were formed the lakes: Lagoda, Onega, Syagczero, Kuyto, etc.

The surface of the territory of republic is the heaped plain, elevated on west and northwest by the masses of Maansel'kya with heights over 300 m and Western-Karelian elevation 180-250 m in height. On Onega isthmus are separate/liberated Urskaya and Shokshinskaya ridge/ranges up to 250 m high. The lowered/reduced sections are regions, adjacent to white sea, Lagoda and Onega lakes.

Majority rivers has rocky bed with numerous thresholds and waterfalls and uneven current; sections with turbulent flow are alternated with the calm reaches, which are frequently lakes. Large rivers (Shuya, Suna, etc.) cut through whole system of the lakes, arrange/located on different height and which control runoff. Lakes occupy area of approximately 16.5 thous. km² (without Lagoda and Onega lakes), which composes 11.20/o of surface of the territory of republic.

Karelian ASSR is related to taiga zone and is characterized by

the preponderance of the coniferous forest/scaffolding, which consist predominantly of pine tree and fir. The forest of northern subzone spare-stand, undersized, with preponderance is suffrutescent, mosses and lichens. During the elevations of northern part, predominates tundra vegetation from bushes and it is suffrutescent. In the south part of Karelia (south ~~than~~ 64° north latitude) in connection with more favorable soil climatic conditions predominate high of forest with the more enclosed crown; here, appears underbrush from small-leaved species (bird-cherry, mountain ash, willow), and also bushes ^{and} ~~it~~ is suffrutescent (cranberry, bilberry, heather).

The distinctive special feature/peculiarity of the territory of KASSR is also large swampiness, the total area of swamps composes 23c/o of area of republic.

The territory of Karelian ASSR, arrange/located in north latitudes, in the cold period of year obtains little solar heat.

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In summer in connection with the high duration of day, radiation balance sharply is increased and amounts of solar radiation here approach the sums of heat which enter the middle strip of the Soviet Union. Radiation balance in the territory of Karelia is 28-31

kilocalories per annum, i.e., almost so many, how much in the territory of Leningrad, Pskov and Novgorod regions. However, in view of the special feature/peculiarities of the circulation of air masses above the territory of the northwestern European territory of Union here during entire year is great the effect of Atlantic, which conditions prolonged soft winter and short, relatively fresh is placed.

The effect of Atlantic is exhibited also in an increase in air humidity and strengthening of cyclone activity, which provides considerable cloudiness and large amount of precipitation during entire year. In cold season, cyclonic activity is developed predominantly at Arctic front. Cyclones in essence pass northern than the Kola peninsula and therefore above entire territory of Karelia predominate the south and south-west winds, with which ~~will be~~ carried relatively warm air. Along with the preponderance of Atlantic air masses are frequent also the entries of arctic air masses, which enter in rear of cyclone or their series. However, the intrusions of the arctic masses of air usually of powerful coolings are not caused, since they larger partly enter from the warm regions of the arctic (Greenland and Barents seas).

As the consequence of these circulation processes, winter in Karelia it proves to be warm in comparison with other regions of the

Soviet Union, arrange/located in the same latitudes.

Average monthly temperature of coldest months, January and February, altogether only -10° , -11° in south and -12° , -13° in the northern part of the republic.

Winter in Karelia although soft, sufficiently prolonged, period with the average diurnal temperatures lower than -5° oscillates from 4.5 months in northern to 3.5 months in south part.

In view of considerable cloudiness diurnal temperature change is virtually absent. Temperature changes, sometimes rather sharp, are caused by the exchange of air masses.

The entries of Atlantic air usually yield the warmings, which frequently reach the thaw, at which the maximum temperature even in the coldest months composes 2° , during separate days it can be risen even to $5-6^{\circ}$. Thaws are frequently changed by the coolings at which minimum temperature in separate days almost yearly can be omitted to -30° .

The variability of the temperature from year to year, and days is also between the most characteristic feature, which is inherent in a climate of the northwestern part of the European territory of the Soviet Union.

In Kareliya in some years when is especially strongly developed cyclonic activity, thaws frequently last until January.

In some years, on the contrary, great value have the entries of the arctic masses of air, especially from Kara Sea. In such years the duration of frosts can exceed 3 months, with this temperature of air it can be omitted lower than -40° .

In some especially cold years the temperature of air is omitted to -50° , but the south-west part of the republic even it is lower (Olonets -54°), but occurs this rarely of -1 times into 80-100 summer/years.

In spring cyclones follow narrower south. trajectories in comparison with winter.

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At this time in the territory of Karelia, predominate the winds of northern bearing/rhumbs, which blow from North Sea, in connection with which is detained the temperature rise; therefore spring in Karelia is colder than the autumn. In the middle of April, occurs the

transition to positive temperatures, while at the end of April, - beginning of May the average diurnal temperature of air reaches 5°.

In summer the arrival of the solar radiation is increased, on the larger part of the territory of Karelia, begin the twilight nights, and in extreme northern part - polar day.

However, in view of intense cyclonic activity which conditions considerable cloudiness and precipitation, the actual arrival of heat composes a total of 50-60% of the possible. Therefore summer in Karelia relatively fresh and short. The warm month is July whose average monthly temperature composes 16° in south and 14° in the northern part of KASSR.

The period of average diurnal temperatures is higher than 10°, when is observed active vegetation for the majority of plants, on the larger part of Karelia, lasts less than 3 months, with the exception/elimination of the south part where its duration is approximately 3.5 months. Period with the average diurnal temperatures higher 15° on the larger part of Karelia is only in the warm years which in the northern part of the republic occur less than into 50% of summer/years. Beginning from latitude 63° north latitude, where the duration of this period does not exceed 20 days, with advance to the south, gradually it is increased to 50 days. In

some cold years the period of the average diurnal temperatures higher than 15° is absent also in center section, such summer/years here 30o/o (one time in three years). In the south part of the republic, this period is observed is almost yearly and absent only in very cold years (into 7o/o of summer/years).

In the arctic masses of air whose frequency in the territory of republic is sufficiently considerable, on clear nights great the danger of frosts.

Usually frostless period begins at the end of May - beginning of June. However, into 25o/o of summer/years (1 time in 4 years) frosts in air are noted everywhere, with the exception/elimination of coastal areas, they can be observed to the middle of June, and in the northwestern part of the republic, which is characterized by powerful swampiness, frosts are possible even during July.

In separate especially cold years the frosts during July are possible in entire territory of Karelia, beyond the exception/elimination of islands and deeply submerging capes. Besides high-pressure areas, moving in rear of cyclone from north, sometimes Karelia seize by their northern outskirts the anticyclones, which are arrange/located above central regions. In these cases under conditions of long northern day, the temperature can be raised even

on the north of Karelia to 31-32°, while in south part even to 35°.

The thermal conditions of the larger part of the territory of KASSR, determined by radiation and heat balance, they are not, that are favorable for developing the heat-loving cultures. So, the sums of the temperatures higher than 10° only in the south part of the republic compose 1500°, decreasing gradually towards the north where their values are narrower less than 1000°. Of 75o/o of summer/years (3 years of 4) of the sum of heat of south part, they compose 1250°, in central - 1050° and in northern - a total of 850°. The deviations of the sums of heat from the average sum of the temperatures higher than 10° in separate years in both sides are equal to 350-400°; however, the probability of such summer/years is small, a total of 5o/o.

In autumn in connection with a reduction in the day and an increase in the cloudiness, the influx of radiation rapidly decreases.

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At this time occurs the rearrangement of atmosphere circulation, instead of the northern winds, which predominate in warm season, begin to blow the south and south-west winds, with which enter the

warm air masses of air from Atlantic Ocean, The preponderance of these air masses conditions the protracted nature of autumn period, which is aggravated by a large quantity of local large water basins. Therefore autumn is warmer than the spring: September of more warmly May, and October - April on 2-3°.

In the first half of September, but on north at the end of August, narrower begin the frosts. At the end of September, ~~it~~ occurs the transition of the average diurnal temperature of the air through 5°, and beginning with the 20th numbers of October in the northern part of Karelia it begins the transition of the temperature of the air through 0°; at the beginning of November this transition ~~is~~ is realized in entire territory. Autumn as other seasons, as a result of the variability of circulation processes, strongly is changed from one year to another. In warm years during September even on extreme north the temperature of air can exceed 20°, in some especially cold years ~~are~~ possible temperature decreases to -7, -8°.

The special feature/peculiarity of a climate of Karelia, unlike the territory of Leningrad, Pskov and Novgorod regions, is the zonal distribution of all thermal characteristics during entire year, somehow: the average monthly temperature of air (Fig. 1 and 2), of dates of the transition of temperature through the specific gradations, the sums of temperatures, etc. Therefore climatic

conditions in the different parts of the republic have essential differences. Here most unbleached are not the east, but northern regions, arranged/located northern 64° north latitude.

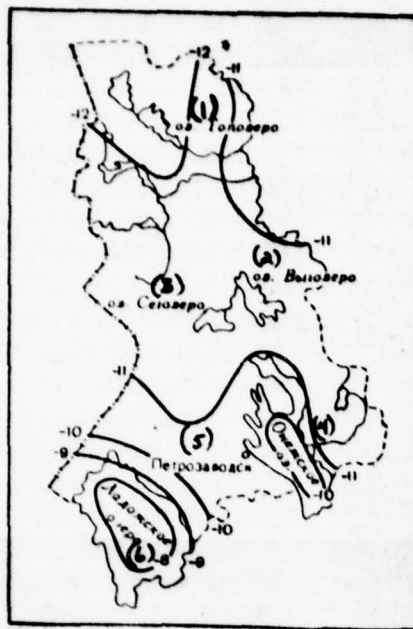


Fig. 1.

Fig. 1. Average monthly temperature of air January (Karelian ASSR).

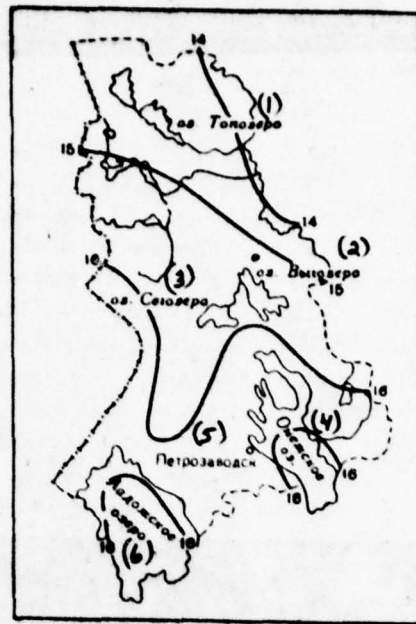


Fig. 2.

Key: (1). Lake Topozero. (2). Lake Vygozero. (3). Lake Segozero. (4). Onega Lake. (5). Petrozavodsk. (6). Lagoda lake.

Fig. 2. Average monthly temperature of air. July (Karelian ASSR).

Key: (1). Lake Topozero. (2). Lake Vygozero. (3). Lake Segozero. (4). Onega Lake. (5). Petrozavodsk. (6). Lagoda Lake.

In this case, the coldest winter is inherent in the northwestern part of the republic, separated by the spurs of Maansel'kya; in Pribelomorskiy lowland winter comparatively soft, and summer fresher. With advance to south, the thermal conditions of territory are improved. Most favorable conditions of climate are observed in the south part of the republic, south ~~than~~ ^{at} 63° north latitude, in this case mild climate are characterized by the south-west regions, adjacent to Lagoda lake. These thermal conditions, along with milder winter, create in the south part of Karelia the most favorable conditions for the cultivation of agricultural crops and in rate they contribute to the creation of the industrial horticulture of fruit (apple trees) and berry (currant, raspberries, strawberries) cultures.

Leningrad, Novgorod and Pskov regions.

The territory of Leningrad, Novgorod and Pskov regions in question is arranged/located on the northwest of the European USSR and is partly the vast Russian plain. In north the territory borders on Karelian ASSR, where ~~on~~ individual sections Lagoda and Onega lakes ^{are} ~~is~~ natural boundaries in the east - with Vologod and Kalinin district, in west - with Estonian and Latvian republics, in south - from Belorussian SSR and by Smolenskaya Oblast. On the northwest it adjoins the state boundary with Finland and the territorial waters of

the east part of Gulf of Finland. The total area of all three regions ^{are} ~~is~~ 195.6 thous. km².

On the larger part of the surface, predominate lowlands with small absolute and relative heights. In spite of this, the relief of surface is characterized by considerable diversity and bears the traces of glacier activity. The general plains character of territory with dense hydrographic network, numerous lakes and swamps by places is disturbed by the presence of separate elevations. On Karelian isthmus, between the Gulf of Finland and the Lagoda lake, are arranged/located Lembolovskaya and Toksovszkaya heights. To south from the low coast of Gulf of Finland by sufficiently abrupt/steep step is risen Ordovician (Silurian) plateau. In the south of plateau, it changes gradually to a plain, with places heaped, with the abundance of small lakes and rivers and separate considerable elevations - Luzhskiy and Sudomorskiy. In the south are arranged/located Bezhenitskiye and Vyazemskiy mountains. To west from this hilly morainial band, stretches the wide low plain, which covers the lower current of the rivers of Luga and Plyussa, coast of Chudskaya and Pskov Lakes and valley ^{of the Velikaya River.} ~~great~~.

In the center section of the territory, is arranged/located the vast, strongly swampy Priil'menskaya low place, along which occur/flow/last large rivers the Volkhov and the Lovat River. Along

east boundary is stretched outskirts of the high Valdayskaya elevation, separated to separate ridge/ranges and hills and which is the watershed between the basins of Baltic and Caspian seas.

In entire territory predominates morainal and lake landscape as consequence of the activity of glacier. Here are arranged/located the largest lakes of the European USSR: Lagoda, Onega, Pskov-Chudskoye and Il'men', which occupy deep basin/depressions, which are the residue/remains of the former glacier basins. Lakes, river valleys and the rocky ridge/ranges of Karelian isthmus are elongated from the northwest to the southeast, in the direction of the motion of glacier.

Page 16.

The arrival of the solar radiation to the territory in question is narrower somewhat more than in KASSR, radiation balance is 32-34 kilocalories per annum. However, as above an entire northwestern part of the European territory of Union, the leading forming climate factor is ~~the~~ the circulation of air masses. In all seasons of year, here predominate the south-west and western winds, carrying air of Atlantic origin. The entries of Atlantic air masses are most frequently connected with cyclonic activity and are accompanied usually by windy cloudy weather, relative to warm - in winter and by

comparatively fresh - in summer. The increased cyclonicity, characteristic for a Russian plain, is explained to the fact, that cross themselves the ways of western and southern cyclones.

Along with the Atlantic here predominate also continental air masses, whose frequency with advance from west to the east is increased, and Atlantic - it decreases. Therefore, unlike Karelia, here for a cold period characteristic is the meridional distribution of all temperature characteristics: the average monthly temperature of air of the dates of the transition through 0 and -5° and the like. (Fig 3, maximum and minimum temperature) Winter here was ~~warmer~~ than in Karelia, not so much because of south, as because of the more western position that especially is noticeable in the western part of the territory.

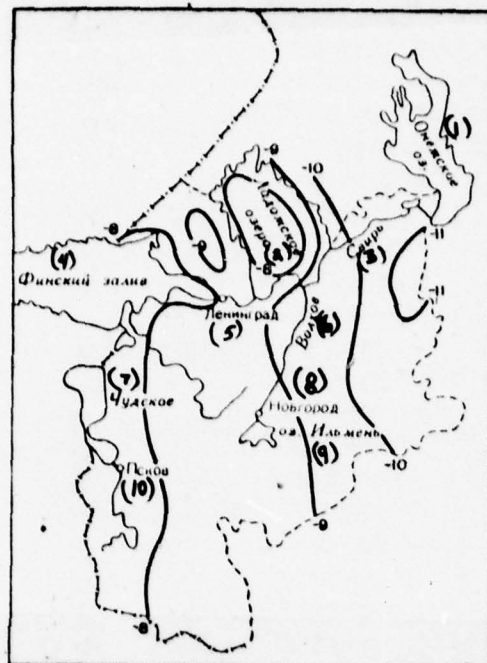


Fig. 3. Average monthly temperature of air, January. Leningrad, Novgorod and Pskov regions.

Key: (1). Onega Lake. (2). Lagoda lake. (3). Svir'. (4). Gulf of Finland. (5). Leningrad. (6). Volkhov. (7). Chudskoye. (8). Novgorod. (9). Lake Il'men'. (10). Pskov.

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The coldest month on the larger part of the territory is January whose temperature varies from -8° in western to -11° in the east part

of the territory (Fig. 3). Is sufficiently close to it the temperature of February, which is the coldest month in regions, adjacent to Gulf of Finland, the Lagoda and Onega lakes (see Fig. 7).

Winter although is shorter than in Karelia however sufficiently prolonged. Period with the average diurnal temperature lower than -5° comprises more ^{than} 3 months (about 100 days), and in east part of approximately 4 months. Is ~~great~~ also the period of the so-called "prewinter time" - transient season from autumn to winter.

The carrying out of Atlantic air occurs in winter in European cyclones predominantly with the south-west winds, which at this time are predominating. The transformation of warm air masses occur/flow/lasts slowly because of the formation of the cold lowest layer of the atmosphere, which impedes vertical exchange, which conditions the emergence of the dense layer of low cloudiness. Because of this for a cold season, is characteristic almost the full/total/complete absence of daily variation of air temperature. Temperature changes from one day to another and in the course twenty-four hours are caused by the exchange of air masses. Larger part ~~of~~ this variability composes $\pm 4^{\circ}$, and in certain cases are possible temperature changes between days, which exceed $\pm 15^{\circ}$, although occurs, ~~not~~ not so frequently (1 time ^{every} into 10 summer/years). Here, as in Karelia, the entries of the fresh masses of air from

Atlantic cause the warmings, which frequently reach ^{to} ~~the~~ thaw. Intense thaws are frequently accompanied by precipitation of rain and by the partial or complete disappearance of snow cover. Even in the coldest months the average diurnal temperature higher than 0° is of 2-4 days during January and 1-2 days during February. In this case, the maximum temperature can be raised to $4-7^{\circ}$. The intrusions of arctic air masses in rear of cyclone and their series cause the coolings which almost yearly can reach to -20 , -25° in western and to -25 , -30° in the east part of the territory. In cold years with the more stable high-pressure areas, which enter from the arctic, the frosts can reach -35 , -40° (one time in 4 years). In especially cold years the temperature in east part can be omitted to -50° , while in the northeast part ^{is even} ~~even is lower~~ -50° (Shugozero -55°), but occurs ~~this~~ rarely - one time ^{every} ~~into~~ 80-100 summer/years.

In the beginning of the second decade of April in the south-west part of the territory, the average diurnal temperature of air crosses 5° , toward the end of April, this transition is realized in entire territory. This period usually is accepted as the beginning of spring, since at this time begins the vegetation of some plants. In spring Atlantic entries weaken, is amplified the effect of continent. Wind direction becomes unstable, appears east comprising. In spring in connection with the weakening of cyclonic activity, decreases cloudiness, more rarely falls precipitation. Therefore at this time

is distinctly expressed diurnal temperature change. In clear days the amplitude of the temperature can reach greatest in year values (14-16°). During May almost in the half of month (400/0) the amplitude of the temperature of air composes 13°. Therefore at this time is great the danger of the frosts which frequently appear on clear calm nights on the sufficiently high level of daytime temperatures. Are frequent in spring returns chills; here with an anticyclone type of weather, air temperature, at night may drop to -2, -6° and especially cold years even to -8, -12°.

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In warm springs with stable anticyclones with the carrying out of warm air from the southern latitudes by day during May the temperature can be raised to 15-19°, while during especially hot days even to 30° ^{and} ~~and~~ above.

During May in the entire territory in question average diurnal temperature crosses 10°, this occurs in the first decade in south part and at the end of May on the northeast. This is the beginning of the active vegetation of all plants. At this time usually are ^{no} finished the frosts.

With onset summer/years the wind direction acquires again western component/term. The Western and northwestern winds are

connected in summer with ~~by~~ the rear unit of the western cyclones or with the east outskirts of the high-pressure areas, which move from Atlantic to continent. The flowing from Atlantic air is warmed and additionally it is moistened. In the beginning summer/years is amplified cyclonic activity, which conditions considerable cloudiness and the abundant precipitation ~~of precipitation~~. Therefore here, as of Karelia, the sums of the solar heat, which enters this territory, do not exceed 45o/o of the possible. Summer here all the same is warmer than in Karelia, which is explained by the great effect of continent. Period with the average diurnal temperatures higher than 15° usually begins during June: in the first half of June - in the south-west part (in the south of Pskov and Novgorod regions), most lately - in the northeast part of the territory where its onset is detained to the end of June.

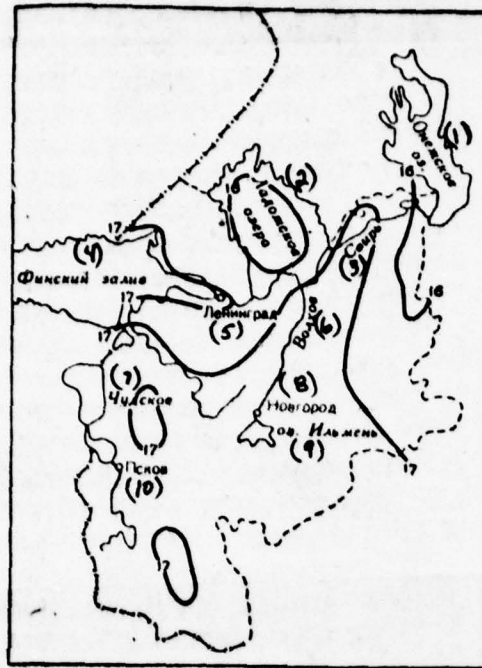


Fig. 4. Average monthly temperature of air, July. Leningrad, Novgorod and Pskov regions.

Key: (1). Onega Lake. (2). Ladoga ~~lake~~ Lake. (3). Svir'. (4). Gulf of Finland. (5). Leningrad. (6). Volkhov. (7). Chudskoye. (8). Novgorod. (9). Lake Il'men'. (10). Pskov.

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The duration of this warm period comprises on the larger part of the territory of 60-70 days, beyond the exception/elimination of the

northeast part (east part of Leningrad and northeast part of Novgorod of the regions), where its duration does not exceed 40 days.

The hottest month is July whose temperature composes 16-17° (Fig. 4). In all summer months, from June through August, ~~into~~ the daytime the temperature of air ~~is~~ can be risen to 28-29°. Hot days with maximum temperature above 25° is observed usually on 4-5 days during June and August also of 8-9 days during July. In especially warm years the temperature of air can be raised to 32-34°. In summer the temperature of air has well expressed daily variation, reaching the greatest value 13-16 hours, smallest - in morning hours (before sunrise). ~~are~~ Frequent in summer the coolings, caused by invasions of cold air of arctic origin, in this case, during separate days even during July the average diurnal temperature can be held within limits 5-10°; such coolings are possible in 2-3 ~~years of~~ 10 summer/years. On separate clear nights sometimes in the beginning summer/years are possible frosts in air. On the larger part of the territory, the frosts can be observed to middle of June, although the probability of such summer/years it is not great - a total of 100/o (1 time ^{every} ~~into~~ 10 summer/years). In the northeast part of the territory, and also in the lowered/reduced and swampy places the frosts are possible even during July, although the probability of such summer/years is still less than -1 times ~~into~~ 20-25 summer/years. The thermal resource/lifetimes of the territory in

question are considerably more favorable than in Karelia. So, the sum of average ~~average~~ diurnal temperatures higher than 10° here oscillates from 1600° in the northeast part to 1950° in the south-west. Of the separate years of the deviation of the sums of the temperatures in both sides, they compose $400-600^{\circ}$.

Besides the radiation and circulation factors, which condition shaping of a climate of one or the other territory, sizable role play also the local factors, which create the local special feature/peculiarities of a climate. To these factors, which affect the temperature conditions of the territory of North-Western UGMS, are related large basins, such, as White Sea, Gulf of Finland and Lake Lagoda, Onega, Pskov-Cudskoye and Il'men', the abundance of large ~~large~~ swamps and the smaller lakes, scattered on entire territory, and also the increased hilly relief.

The effect of large water basins on the temperature of air is exhibited in a change in its diurnal and even annual course. In the sufficiently vast regions, adjacent to White Sea, Gulf of Finland, Lagoda and Onega lakes, the annual variation of the temperature of air differs from the same above the continental part of the territory, which is expressed in the shift/shear of the minimum of the temperature from January on February (Fig. 6 and 7), and also in the leveling of differences in temperature between July and August.

In coasts of basins in spring period, the temperature of air is somewhat lowered/reduced, and it is raised in autumn in comparison with land. An especially high value basins are exerted themselves for a change in diurnal temperature change, reducing the temperature in daytime hours and raising - in the night (Fig. 9). However, this effect on the thermal mode of coasts even of large basins stretches comparatively to narrow band, by the width of 8-10 km, rapidly weakening with removal/distance from shore. The effect of small lakes on the temperature conditions of its coasts manifests itself even to a lesser degree and is noted only within the limits of narrow coastal zone.

Altitude effect on a change in the temperature of air is noted on Karelian isthmus, in Ordovician plateau, Vyazemskiye heights and during the elevations of Valdayskaya and Tikhvinskaya ridge/range. During entire year the temperature of air with height is reduced (Fig. 5).

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Besides the noted factors, not smaller effect on the temperature of air has the form of relief. Basins, not wide valleys, ^{basins} ~~valleys~~ and lower parts of the slopes are characterized by lower minimum temperatures and the decrease of frost-free period in comparison with

the even open place. On the contrary, apex/vertexes and the upper parts of the slopes even of small elevations prove to be more warmly than the arranged/located in the neighborhood flat terrains.

Therefore in nisins, valleys and especially in basins the amplitude of the temperature is more, but during elevations it is less than on even place.

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EXPLANATIONS TO TABLES.

Section 1. Temperature of air.

Table 1. Average monthly and annual temperature of air. Data of tables are the average monthly and annual temperatures of air, calculated during period of 1881-1960 or led to this period by the method of differences.

Advisability of the utilization of a period of this duration is substantiated by the investigations, carried out in the main geophysical observatory im. A. I. Voeikov. The comparison of mean temperatures of air showed that as a result of oscillations of the temperature in secular trend the series of observations even by duration in 30 summer/years do not make it possible to derive sufficiently stable average. The differences between mean temperatures, calculated after two adjacent 30th anniversaries, in separate months can exceed 1° (Table I).

Even larger differences are observed between the average monthly temperatures, calculated from series by the duration of 10 summer/years. Table II gives differences in the temperature between adjacent decades in January, April, July and October - on one month for season. Data show that the differences in mean temperatures of some adjacent decades can reach 2.5° in winter period even 1.7° in summer. the calculation of average from insufficient long series is led to the instability of average, and frequently to the distortion of the annual variation of the temperature of air.

Given in Tables I and II data show that by the preceding/previous short period (even 30-year) impossible to judge the forthcoming period. All the more inadmissibly data during short period to spread to the subsequent prolonged period, which is necessary for practical utilization, in particular during the design of the constructions, calculated to many decades. Mean temperatures of air, calculated from series of different duration without their reduction to the many-year series (which frequently is allow/assumed among the practitioners of the laymen), they will be incomparable between themselves, especially for the points, removed from each other up to considerable distances, as the secular fluctuations of the temperature in space occur nonsynchronous.

Table I. Differences between mean temperatures of air during periods of 1901-1930 and 1931-1960 (Leningrad, GNO).

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
-0.3	-0.3	-0.6	0.0	0.1	0.7	0.6	1.3	0.3	0.6	0.5	0.9

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Given in Table I data of average monthly and annual temperature are acquired according to the average diurnal temperatures according to observations in periods to 1935 in 7, 13 and 21 hours, from 1936 1, 7, 13 and 19 hours.

For comparability the average diurnal temperatures, brought out from different periods, are given to average diurnal for 24 hours with the aid of corrections. Corrections are calculated according to hourly data of thermographs. Table III gives corrections for different locations.

On table III shows that in the cold period of correction are insignificant, especially during observations at standard time.

Table II. Average monthly temperature of air on decades and difference between the average of adjacent decades (Leningrad, GMO).

(1) Периоды наблюдения	(2) Январь		(3) Апрель		(4) Июль		(5) Октябрь	
	средняя темпе- ратура (6)	раз- ность (7)	средняя темпе- ратура (6)	раз- ность (7)	средняя темпе- ратура (6)	раз- ность (7)	средняя темпе- ратура (6)	раз- ность (7)
1881—1890	-7.9	—	2.6	—	17.7	—	4.3	—
1891—1900	-8.3	0.4	2.5	0.1	17.4	0.3	5.2	-0.9
1901—1910	-6.7	-1.6	3.2	-0.7	16.9	0.5	5.0	0.2
1911—1920	-8.3	1.6	3.6	-0.4	18.5	-1.6	3.9	1.1
1921—1930	-7.2	-1.1	2.6	1.0	17.5	1.0	4.5	-0.6
1931—1940	-7.1	-0.1	3.5	-0.9	19.2	-1.7	5.2	-0.7
1941—1950	-9.2	2.1	3.2	0.3	17.8	1.4	4.9	0.3
1951—1960	-6.7	-2.5	3.8	0.2	17.7	0.1	5.2	-0.3
(8) Средняя за 1881—1960	-7.7	—	3.0	—	17.8	—	4.8	—

Key: (1). Periods of observation. (2). January. (3). April. (4). July. (5). October. (6). mean temperature. (7). difference. (8). Average after.

Table III. Corrections for reducing the average monthly temperatures of air to average for 24 hours ($1 = 0.1^\circ$).

(1) Местоположение	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
(2) К наблюдениям за 7, 13 и 21 час												
(3) Вершина холма, (Шуньга)	0	0	0	-2	-4	-4	-5	-2	-1	-1	0	0
(4) Склон холма, (Валдай)	-1	-2	0	-2	-4	-7	-6	-2	-1	0	0	-1
(5) Ровное место (Веребье)	-1	-2	-1	-2	-7	-8	-8	-3	-1	-1	-1	-1
(6) Побережье (Лисий Нос)	-1	-1	0	2	-8	-4	-4	-2	-1	0	0	-1
(7) Острова (Валаам, Гогланд)	0	0	0	0	-1	-3	-2	-1	-1	0	0	0
(8) Большой город (Ленинград)	-1	0	0	-1	-3	-4	-4	-2	-1	-1	0	-1
(9) Заболоченная равнина (Черная Река)	-1	-2	0	-4	-7	-10	-9	-4	-2	-2	-2	0
(10) Поляна в лесу (Суоярви)	-1	-2	-1	-3	-7	-9	-7	-3	-1	0	-1	-1
(2) К наблюдениям за 1, 7, 13 и 19 час												
(3) Вершина холма (Шуньга)	-1	0	1	0	-1	-1	-2	0	0	-1	0	-1
(4) Склон холма (Валдай)	0	0	1	0	-2	-3	-2	-1	1	0	0	-1
(5) Ровное место (Веребье)	-1	0	1	0	-2	-2	-3	-2	-1	0	-1	-1
(6) Побережье (Лисий Нос)	0	0	1	0	-1	-1	-1	-1	0	0	0	-1
(7) Острова (Валаам, Гогланд)	0	0	1	0	-1	-1	-1	-1	0	0	0	0
(8) Большой город (Ленинград)	0	0	1	0	-1	-1	-1	0	1	0	0	-1
(9) Заболоченная равнина (Черная Река)	-1	-1	2	0	-1	0	-1	-2	1	0	-1	0
(10) Поляна в лесу (Суоярви)	-1	0	2	0	-2	-2	-2	-1	1	0	-1	0

Key: (1). Location. (2). To observations for 7, 13 and 21 hours. (3). Apex/vertex of hill, (Shun'ga). (4). Slope of hill, (Valday). (5). Even place (Vereb'ye) (6). Coast (for ncse). (7). Islands Valaam, Gogland). (8). Large city (Leningrad). (9). Swampy plain (black river). (10). Clearing in scaffolding/forest (Suoyarvi).

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In warm period when diurnal temperature change is expressed distinctly, allowance grow/rises, especially during observations at standard time when is absent the night period of observations. At this time the allowance to a considerable degree depends on location. The smallest corrections are noted in islands and coasts, greatest -

during the swampy sections and clearings in scaffolding/forest.

In separate years the average monthly temperatures to a considerable degree can differ from many-year average. In Table IV are given the average and greatest deviations of temperature of air from many-year average.

In the majority of the cases, given in Table 1 data characterize the conditions of the open even place; however, there are the stations, arranged/located under specific conditions, somehow: during wood clearings (Vyartsilya, Lesogorskiy, Lyady) on large islands, in removal/distance from shore (Valaam, Gogland), on the swampy sections (Novgorod, swampy st., Mga) and so forth. The physicogeographical description of the arrangement of meteorological stations will be given in special issue. In summer a change in the average monthly temperature of air under the effect of location is small, since the low nighttime temperatures, characteristic for the lowered/reduced forms of relief and wood clearings, are partially compensated for by the higher daytime temperatures of air. During elevations somewhat reduced daytime temperatures are partially compensated for by the higher night. The effect of these special feature/peculiarities of location is more noticeably expressed in winter and by the early spring when daytime heating is absent or is insignificant.

Besides the effect of the forms of relief and wood clearings, not smaller effect on temperature have urban conditions. The temperature of air at urban stations is somewhat higher in comparison with the open even place. In this case, the greater the city, the greater the difference in the temperatures of air (Table V).

To the temperature of air, has effect also the height of the place above sea level. As is known, with an increase in altitude, the temperature of air is reduced (Fig. 5).

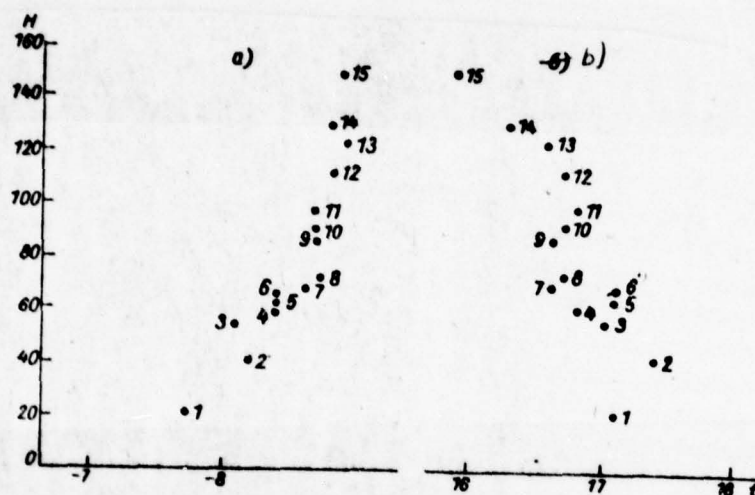


Fig. 5. Dependence of the average monthly temperature of air from height. January (a), July (b). 1 - Kingisepp, 2 - Tolmachevo, 3 - Os'mino, 4 - Pushkin, 5 - Oredezh, 6 - Sosnoviy Bor, 7 - Sosnovo, 8 - Voeikov, 9 - Nizovskaya, 10 - Belogorka, 11 - Roshchino, 12 - Toksovo, 13 - Kipen', 14 - Volosovo, 15 - Sosnovo (trying station).

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Table IV. Average, greatest positive and deviations below average of the average monthly temperature of air from many-year average.

(1) Отклонения	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
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(2) Ленинград, ГМО (1881—1960 гг.)

(3) Средние	2.8	3.0	2.2	1.6	1.7	1.4	1.4	1.4	1.1	1.7	1.9	2.5
(4) Наибольшие:												
(5) положительные . . .	6.8	6.5	8.2	5.4	6.3	4.6	3.8	4.1	4.2	4.4	4.0	8.0
(6) отрицательные . . .	-11.0	-9.2	-7.4	-4.7	-3.8	-3.1	-3.4	-2.5	-3.7	-3.4	-5.1	-8.7

(7) Свирица (1881—1904, 1906—1908, 1912—1960)

(3) Средние	3.2	3.1	2.3	1.7	1.8	1.6	1.3	1.2	1.0	1.6	2.0	2.9
(4) Наибольшие:												
(5) положительные . . .	7.9	6.9	5.6	5.6	6.6	4.7	4.0	3.6	3.6	3.6	3.9	7.0
(6) отрицательные . . .	-10.8	-9.0	-7.1	-5.6	-4.1	-3.7	-3.6	-3.1	-3.0	-4.4	-5.8	-10.9

Key: (1). Deviations. (2). Leningrad, GMO. (3). Average. (4). greatest. (5). positive. (6). negative. (7). Sviritsa.

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Most essential effect on the temperature of air on the territory in question have water basins. In spring and summer months in coasts and especially in the open parts of the basins the temperature of air is somewhat lowered/reduced, while in autumnal and winter time it is raised in comparison with continent. Therefore above basins and their coasts, as it is narrower noted, the annual variation of the temperature of air somewhat is changed, in this case, the annual amplitude decreases (Fig. 8). Is especially noticeably expressed this effect on the territories, adjacent to the largest basins where the annual minimum of temperature is observed not during January, but during February, but the differences between July and August are smoothed, i.e., a climate here has lines of maritime climate (Fig. 6 and 7). In coasts and is especially on islands strongly smoothed in summer daily variation of air temperature (Fig. 9).

Table 2. Daily variation of air temperature. Table depicts the average monthly temperatures of air for each hour, led by the method of differences to period of 1881-1960. Furthermore, table gives the average monthly amplitudes of temperature, obtained as difference between the warm and coldest hour. This amplitude is called periodic. For data finding, placed in Table 2, are utilized the recordings of daily variation of air temperature on thermograph during period not less than 10 summer/years according to the limited number of stations, arrange/located under varied conditions of location. In

cold season, from November to January the amplitude of the temperature is small, it does not exceed 2°. Beginning from February when the sun begins in the daytime to heat up, daily amplitude is increased, during March - April its values narrower compose 6-8°. The greatest amplitude of the temperature of air is noted in warm months, from May through August (7-9°). At this time the highest temperature is noted from 12 to 17 hours, and the lowest - before the rise of the sun, 3-5 hours. Besides alternation, i.e., correct diurnal temperature change, which depends on radiation balance for days, occur the nonperiodic changes in the temperature of air, caused by the exchange of air masses with the passage of fronts. These changes, as a rule, occur at any time of days, disturbing diurnal temperature change. Nonperiodic amplitude can be calculated as difference between average maximum and minimum temperatures for any station, placed in table 7 and 11. This amplitude is greater than the amplitude, calculated between mean temperature of the warm and coldest hour of days. The difference between the amplitudes, obtained by two methods, is especially considerable in the cold period of the year when in temperature conditions predominates heat advection and cold, which depends on the circulation factors, not connected, unlike radiation factors, with the specific time of days.

Table V. Differences in the average monthly temperatures of air in one point at the varied conditions of location.

(1) Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	(2) Год
(3) Ленинград, ГМО — Ленинград, аэропорт	0.9	1.0	0.8	0.5	0.7	0.8	1.1	1.2	1.2	0.8	0.6	0.7	0.9
(4) Великие Луки, город — Великие Луки, поле	0.5	0.6	1.0	0.3	0.4	0.6	0.4	0.6	0.6	0.3	0.1	0.3	0.4

Key: (1). Station. (2). Year. (3). Leningrad, GMO — Leningrad, airport. (4). Great bows, city — great bows, field.

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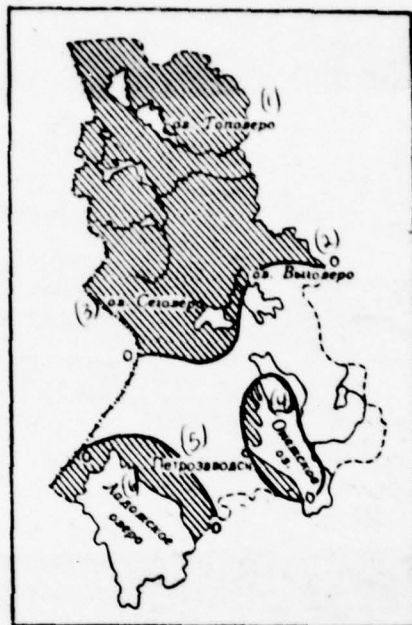


Fig. 6. Territories from minima of annual variation of temperature of air during February (it is shown by hachure). Karelian of ASSR.

Key: (1). Lake Topozero. (2). Lake Vygovero. (3). Lake Segozero. (4). Oneghskov Lake. (5). Petrozavodsk. (6). Lagoda lake.

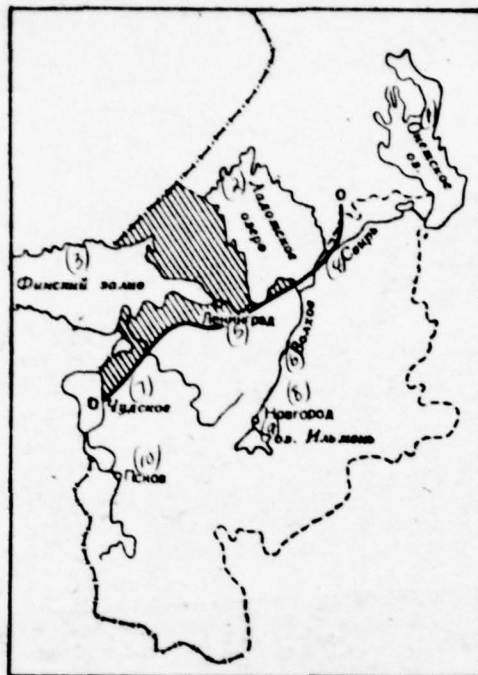


Fig. 7. Territories from the minima of the annual variation of the temperature of air during February (it is shown by hachure). Leningrad, Novgorod and Pskov regions.

Key: (1). Onezhskoye Lake. (2). Lagoda lake. (3). Gulf of Finland. (4). Svir'. (5). Leningrad. (6). Volkhod. (7). Chudskoye. (8). Novgorod. (9). Lake Il'men'. (10). Pskov.

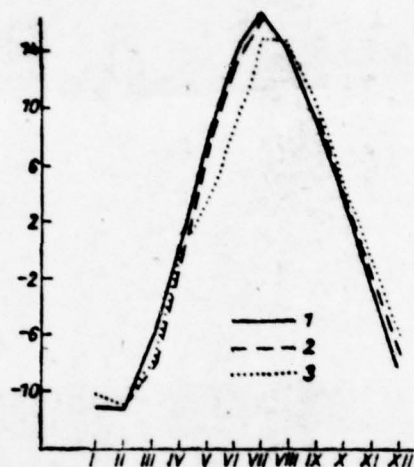


Fig. 8. The annual variation of the temperature of air. 1 - Pudozh, 2 - Terebovskaya, 3 - Vasilisin.

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In the process of the averaging of temperature for each hour, the unsystematic increases and the temperature decreases, caused by advection, are smoothed, to a considerable degree smoothing also the differences in temperature, caused by radiation factors. In the summer months differences between the daily amplitudes, determined by two methods, it is smaller, since at this time the daily variation, depending on radiation factors, it is expressed most distinctly. In Table VI are given the differences between the amplitudes, calculated by two methods. These data give the representation also of a change

in these differences in territory. the greatest differences, are more than 7° , they are noted in the northern part of Karelia in the months of the shortest day - December and January. With advance to the south of difference on territory, they are equalized and compose $2-4^{\circ}$. Somewhat a distinct annual variation of the difference between the amplitudes, calculated by two methods, noted at station are dry, the beacon where the greatest differences are observed into May and June, but smallest during April and November (Table VI). This annual variation of differences on beacon is dryly explained by the peculiarity of its location. It is arrange/located on small artificial islet among the open water. During May and June when the temperature of water is still low, and wind velocities are considerable, the wind rapidly relates warm air, replacing it with cold from lake, in view of which the variability of the temperature at this time here is very great. During April and November under conditions of ice cap, similar phenomenon, it is not observed, since differences in the underlying surface are smoothed.

Table 3. Average daily temperature range at clear, semi-clear and cloudy sky and without depending on sky condition (according to the characteristic of lower cloudiness). Table depicts data of average daily amplitude in different sky condition (on lower cloudiness), and also independent of sky condition. The average daily amplitudes of temperature are calculated according to daily data of

daily amplitudes and are the difference between maximum and minimum temperatures. All the developments are produced in a mechanized manner according to the limited number of stations during period of 1936-1960, with exception/elimination st. Leningrad, GMD data on which were used from 1900.

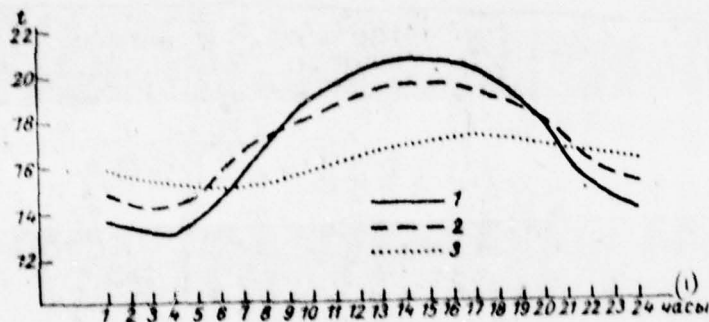


Fig. 9. Daily variation of air temperature. July. 1 - Nikolayevskoye, 2 - Ozerki, 3 - it is dry, beacon.

Key: (1). hours.

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On by data Table 3 evident that the value of amplitude to a considerable degree depends on the cloudiness: the greatest amplitudes are noted with the clear air, the least - with cloudy, the amplitudes of the temperature at semi-clear sky condition in period from March through September are close to amplitudes without the account to cloudiness, in the remaining season of its value on 1-2°, it is above.

As it is narrower noted (see explanation to Table 2), in annual

variation the smallest daily amplitudes are observed in period from November through January, greatest - from May through September. The value of the daily amplitudes of temperature depends also on local special feature/peculiarities, on coasts and islands of amplitude somewhat are decreased, especially this noticeably expressed on coast and the islands of white sea.

Table 3a. Frequency (o/o) of daily temperature range within different limits (without depending on sky condition). Data of tables represents the frequency of the daily amplitudes of the temperature within different limits (through 3°). The development of data for the composition of this table, as for Table 3, it is conducted in a mechanized manner, also, on the same stations. As a result of the large variability of the temperature in the separate days of its value, they can strongly oscillate. In cold period, from November through March, predominate the amplitudes from 4 to 7°; however, are frequent the days, when amplitude composes 10°, and on the north of Karelia to 13° and even 16°. In rare years the amplitude of the temperature can reach 28°. In warm period, from April through September, the greatest frequency have the amplitudes of temperature from 4 to 13°, but also at this time occur days, when amplitude can reach 22-24°.

Table VI. Differences between the nonperiodic and periodic amplitudes of the temperature of air.

(1) Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
(2) Лоухи	7.8	6.4	5.2	2.5	2.6	2.7	3.5	3.5	3.5	3.1	5.3	7.2
(3) Ухта	7.8	6.2	3.7	2.4	3.3	2.9	2.9	3.3	2.9	2.9	5.0	7.1
(4) Колежма	7.0	5.7	4.2	3.4	3.6	3.7	3.8	3.8	3.9	3.2	4.6	6.2
(5) Реболы	7.0	5.6	3.8	2.3	3.6	3.1	3.0	2.9	2.5	2.7	3.8	6.0
(6) Медвежьегорск	5.7	5.4	3.1	2.4	3.5	3.6	4.0	3.1	3.1	2.9	3.5	5.5
(7) Вяртсилья	5.7	3.7	2.3	1.6	2.6	3.1	3.4	3.3	2.7	3.3	3.3	5.1
(8) Петрозаводск, Сулаж-Гора	5.2	4.1	2.4	2.2	2.8	3.2	2.9	2.3	2.8	2.5	3.3	4.6
(9) Пудож	5.7	5.1	2.0	2.2	3.2	3.0	3.2	2.6	3.1	2.6	3.0	4.9
(10) Олонец	6.6	6.2	2.9	2.3	3.4	3.2	3.7	3.4	3.2	3.3	3.4	5.7
(11) Вознесенье	5.8	5.0	2.2	2.5	3.5	3.2	3.0	2.8	3.4	3.1	3.0	5.0
(12) Сухо, маяк	3.6	4.2	3.9	1.4	9.4	7.4	5.5	4.0	3.4	2.4	1.5	2.4
(13) Озерки	4.9	4.4	2.0	2.6	3.9	3.2	3.0	2.5	2.9	3.0	3.1	4.0
(14) Новая Ладога	4.8	4.1	2.9	0.1	3.7	3.1	2.6	2.1	2.6	2.7	3.0	4.4
(15) Гогланд	4.1	3.9	1.9	2.2	3.5	3.3	2.2	2.2	2.3	2.7	3.3	3.7
(16) Ленинград, ГМО	4.6	3.7	1.4	1.6	3.0	2.2	1.9	1.4	2.1	2.3	2.8	4.1
(17) Белогорка	5.1	4.5	1.7	1.9	3.3	2.8	3.3	2.3	2.9	2.9	3.0	4.6
(18) Николаевское	4.7	3.5	0.8	1.6	2.7	2.1	2.7	2.0	2.4	2.9	3.2	4.2
(19) Каменка	4.7	3.8	2.7	2.8	3.3	2.4	3.1	2.6	2.7	3.0	2.8	4.3
(20) Валдай	4.9	3.7	1.4	2.2	3.3	3.1	3.2	3.0	3.3	3.1	2.9	4.5
(21) Холм	4.8	4.1	1.9	3.3	4.1	3.8	3.8	3.3	3.5	3.1	3.0	4.4
(22) Гдов	5.0	4.0	1.6	1.9	2.8	2.6	2.5	1.7	2.2	2.4	2.8	4.2

Note. Nonperiodic amplitude is defined as difference between the mean maximum and average by minimum temperatures; periodic amplitude - a difference between the temperature of the coldest and warm hour.

Key: (1). Station. (2). Loukhi. (3). Ukhta. (4). Kolezhma. (5). Rebohy. (6). Medvezh'yegorsk. (7). Vyartsilua. (8). Petrozavodsk, Sulaj- mountain. (9). Pudzhok. (10). Olcnets. (11). Voznesen'ye. (12). It is dry, beacon. (13). Ozerki. (14). New Ladoga. (15). Gogland. (16). Leningrad, GMO. (17). Belogordka. (18). Nikolayevskoye. (19). Kamenka. (20). Valday. (21). Hill. (22). Gdov.

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Table 4. Average interdiurnal changeability of the temperature of air. In the table are placed differences in the average diurnal temperatures from one day to another. The development of data just as for Tables 3 and 3a, it is produced in a mechanized manner on the same stations. Since the interdiurnal variability is calculated according to average diurnal data, the effect of daily variation is excluded; therefore in the table are reflected the fluctuations of temperature, caused by heat advection and cold (nonperiodic fluctuations). Because of this the greatest variability, is more than 3° , but in Kareliya it is more than 4° , it is noted in winter time, from December through February, smallest - in the warm period when its value does not exceed 2° .

Table 4a. Frequency of interdiurnal changeability of the temperature of air within certain limits. Data of this table serve as the supplementary characteristic of the average values, placed in Table 4. On these data it is evident that during separate days are possible considerable changes in the temperature in both sides. is especially powerful the variability of the temperature in the cold period when in certain cases its value reaches $\pm 18-20^{\circ}$. However, the

greatest frequency of variability oscillates from -4 to 2° , in Karelia within limits $\pm 4^{\circ}$. In summer months mean interdiurnal temperature variability is less, its fluctuations, with rare exception/elimination, does not exceed $\pm 8^{\circ}$, but it most frequently composes $\pm 2^{\circ}$, the frequency of these gradations exceeds 60/o.

Table 5. Dates of the onset of the average diurnal temperatures of air above and below specific limits and the number of days with the temperature, which exceeds these limits. Table depicts the dates of the stable transition of average diurnal temperatures through the specific gradations and the number of days, which exceeds these gradations. Separate days with the temperature above or lower than corresponding limits in this table are not taken into account. This number of days is given in Table 6. Data of this table are determined by the curve/graphs of annual variation on the basis of the many-year average monthly temperatures, placed in table 1. Usually the dates of transition through 0° in spring and it is accepted in autumn to count as beginning and end of the warm period; the dates of the transition of temperature through 5° are accepted as beginning and end of the vegetative period of cold-resistant agricultural cultures (winter); the dates of the transition through 10° characterize beginning and the end of the active vegetation for the majority of plants; the period is higher than 15° in temperature - the warm part summer/years, on duration of which depends the success of the

cultivation of heat-loving cultures, this period, as it was narrower noted, on the larger part of Karelia, it is not yearly. In connection with the large fluctuations of the temperature from year to year of the date of its transition through the specific gradations in separate years they can considerably differ from average many-year dates. The probability of different dates of the transition of the temperature through gradations (multiple 5°) in separate years are given in Tables 25-36. In certain cases for practical target/purposes, it is necessary to know the dates of the transition of average diurnal temperatures not only through gradations, multiple 5°, but also through intermediate values. On by data Table ⁵ ~~such~~ it is possible to approximately obtain by interpolating the date of the transition of any limit of temperature, assuming that within limits 5° interval the course of the temperature is rectilinear. The unknown date we find by the composition of the proportion

$$P_i = \frac{dK}{5},$$

where P_i - a transition of the temperature of the assigned gradation, d - a difference (in days) between extreme for the unknown value of a five-degree interval, K - a difference in the temperatures between by the first known and unknown values.

Example. The transition through 10° in Segezha 2 VI, and through 15° - 2 VII, it is necessary to find the transition through 12° . We compose the proportion:

$$P_{12} = \frac{(2 \text{ VI} - 2 \text{ VII})(10 - 12)}{5} = \frac{30.2}{5} = 12 \text{ (1) days.}$$

Key: (1). days.

The obtained difference in 12 days we add to 2 VI, we obtain for 12° date of transition - 14 VI.

Table 6. Number of days with the average diurnal temperature within different limits. Data of tables are the frequency of the number of days with the diurnal temperatures in the separate days through 5° , unlike Table 5 whose data are removed from the curve/graphs of the annual variation of the average monthly temperature of air (histograms). the stable average frequencies of the number of days with different temperatures can be obtained only from series of observations by duration not less than 40-50 summer/years. Therefore into the table are placed data of the limited number of stations with the duration of period not less than 40 summer/years, with the exception/elimination of the station great bows, on which are placed data in all in 20 summer/years in view of the absence in this region of long-row stations. These given on

station great bows can be utilized only tentatively. Data of tables by 6 are utilized in practice when it is necessary to know the number of days with the average diurnal temperature above or lower than specific level.

The fluctuations of average diurnal temperature are very great ^{due} as a result of the large variability of the circulation processes, which condition weather conditions. are especially great the fluctuations of the temperature in the cold period when its values change over a wide range (from 5 to -45°). In warm season, of back-and-forth amplitude is somewhat less, but nevertheless is sufficiently significant (from 5 to 30°).

The frequency of average diurnal temperatures for any station, placed in Table 1, can be obtained on by generalized data Table 22.

Table 7. Average minimum of the temperature of air. Table depicts average monthly minimum temperature of air during period of 1891-1960. Average for shorter series are given to this period by the method of differences. Like average monthly temperatures, average minimum temperatures are subjected to considerable fluctuations in time.

Table VII. Average minimum temperature of air on decades and the difference between the averages of adjacent decades (Leningrad, GHO).

(1) Периоды наблюдений	(2) Январь		(3) Апрель		(4) Июль		(5) Октябрь	
	средняя темпе- ратура	раз- ность	средняя темпе- ратура	раз- ность	средняя темпе- ратура	раз- ность	средняя темпе- ратура	раз- ность
1891—1900	-11.4	—	-1.2	—	13.6	—	3.0	—
1901—1910	-9.7	-1.7	-0.5	-0.7	13.2	0.4	2.8	0.2
1911—1920	-11.4	1.7	0.0	-0.5	14.5	-1.3	1.6	1.2
1921—1930	-9.7	-1.7	-0.9	0.9	13.5	1.0	2.3	-0.7
1931—1940	-9.7	0.0	0.0	-0.9	15.2	-1.7	3.1	-0.8
1941—1950	-12.3	2.6	-0.3	0.3	13.6	1.6	2.1	1.0
1951—1960	-9.7	-2.6	-0.8	0.5	13.5	0.1	3.0	-0.9
(8) Средняя за 1891—1960 гг.	-10.6	—	-0.5	—	13.9	—	2.6	—

Key: (1). Periods of observations. (2). January. (3). April. (4). July. (5). October. (6). mean temperature. (7). difference. (8). Average after.

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Therefore series of insufficient duration also do not make it possible to derive sufficient stable average. It is analogous with the conclusion/derivations, obtained according to the average monthly temperature of air, differences in the average minimum between adjacent decades also can exceed $\pm 25^\circ$ in cold period even $\pm 15^\circ$ into warm (Table VII).

To average minimum temperature of air, which characterizes the

temperature of the coldest part of the days, in much larger degree, than average diurnal temperature, influence local special feature/peculiarities. In the lowered/reduced places, on slopes, during wood clearings average minimum can be on $0.5-1^{\circ}$ below in comparison with the open even place. On the elevated places, from which flows cold air, in cities, in shores of basins average minimum temperature on $0.4-1.8^{\circ}$ can be above. On these effects of the varied conditions of location, it is visually evident on by data Table VIII. Data of average minimum temperature of air of the stations, which are characterized by local special feature/peculiarities, can be spread only to points, which are located approximately under analogous conditions.

Table 8. Absolute minimum of the temperature of air. Table gives given data, which characterize the lowest temperatures, noted during period of 1891-1960 (period from 1891 is selected because from this year of beginning the mass setting up of minimum thermometers on the network of stations). Stations with short series are given to this period by the method of differences. In some months the lowest temperatures were noted in earlier or later years, than in the apparitors of fundamental period. In such cases is made the reduction to the coldest year. Thus, for instance, during November coldest they will render/show 1885 and 1890.

Such low temperatures of air, as a rule, are observed with the carryings out of the cold arctic masses of air during the weakened turbulent exchange on clear calm nights. Most frequently at the values of the absolute minimum of temperature, are reflected both factor - advection of cold masses and cooling by radiation emission. Therefore usually the lowest temperatures are noted before sunrise. For the values of absolute minimum, local conditions have sufficiently considerable effect. Even in the small falls in the relief, which facilitate the stagnation of cold air, value of absolute minimum they can be on $2-7^{\circ}$ below, but during elevations on so many it is higher than on the open even place. This is evident on data of stations Puskinskaya Gory (elevation) and OPOCHKA (even place), given in Table IX. At the values of absolute minimums, have effect also large basins, for example, in new Ladoga the temperature of air almost the year round (besides spring and autumn) on $1-5^{\circ}$ higher than in the Volkhov (Table IX).

The values of absolute minimums considerably are changed in time, and also on territory. Thus, for instance, in coast of the Gulf of Finland (region I, Fig. 16) of the value of the absolute minimum even of 1 time into 100 summer/years (probability 10/0) they are not below -40° , on the larger part of the territory of Karelia, temperature decreases to -40° are not so rare - 1-2 times into 10 summer/years. In the northeast part of Leningrad and Novgorod regions

and south part of Karelia (region III, Fig. 15 and 16) one time into 25 summer/years (probability 40/o) are possible temperature decreases to -47° , -49° . In this region of one time into 50 summer/years, are possible temperature decreases to -50° (probability 20/o), and one time in 100 summer/years even to -54° , -55° (Borovichi, Shugozero, Olonets) (Table X). Table 37 gives the probability of the absolute minimum of the temperature of different probability in separate years depending on average from absolute minimums.

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Table VIII. Differences in the average minimum of the temperature of air in one point at the varied conditions of location.

(1) Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	(2) Год
(3) Кестеньга, ровное место — Кестеньга, возвышенное место	1.7	1.8	1.2	1.5	0.5	0.6	1.1	1.1	0.3	0.0	0.1	0.7	0.9
(4) Винницы, склон холма — Винницы, ровное место	0.9	1.5	1.0	0.6	0.0	0.2	0.6	1.0	0.5	0.1	0.2	0.2	0.6
(5) Ефимовская, склон холма — Ефимовская, ровное место	0.2	1.0	0.4	0.5	0.5	0.6	0.5	0.7	0.4	0.2	0.4	0.5	0.5
(6) Лозейное Поле, город — Лозейное Поле, открытое место	-1.1	-1.1	-1.2	-0.6	-0.9	-0.8	-1.1	-0.8	-0.4	-0.8	-0.6	-0.7	-0.8
(7) Петрокрепость, город — Петрокрепость, окраина города	0.1	-0.1	-0.3	-0.4	-0.6	-0.8	-0.8	-0.8	-0.9	-0.4	-0.3	-0.3	-0.5
(8) Великие Луки, город — Великие Луки, поле	-1.2	-1.2	-1.3	-0.8	-1.3	-1.6	-1.3	-1.7	-1.1	-0.7	-0.8	-0.8	-1.3

Note. Numerals with minus sign (-) mean that average minimum was lowered, numeral positive - increased in comparison with the previous location of station.

Key: (1). Station. (2). Year. (3). Kesten'ga, even place - Kesten'ga, elevated place. (4). Vinnitsa, slope of hill - vinnitsa, even place.

(5). Yefimovskaya slope of hill - Yefimovskaya, even place. (6). Boat field, city - boat field, opened place. (7). Petrokrepost', city - Petrokrepost', outskirts of city. (8). Great bows, city - great bows, field.

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Table 9. Number extra-1 with minimum temperature of air within different limits. Table depicts the average frequencies of the number of days with minimum temperatures in the separate days through 5°. The procedure of processing these data is analogous to the procedure of processing Table 6. The number of days with minimum temperature of air can be obtained for any station, placed in Table 7, by means of data of Table 23.

Tables IX. Differences in the absolute minimums of the temperature of air.

(1) Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
(2) Пушкинские Горы — Опочка . . .	3	2	4	7	-1	4	3	2	2	4	1	2
(3) Новая Ладога — Волхов	5	2	3	0	-1	3	2	4	2	1	0	1

Key: (1). Station. (2). Puskinskaya gory - Opochk. (3). New Ladoga - volkhov.

Table X. Absolute annual minimum of the temperature of air, possible one time in the number of summer/years indicated, at the specific average of absolute annual minimums.

Table X.

(1) Средний из абсолютных годовых минимумов	(2) Абсолютный минимум температуры, возможный один раз в указанное число лет		
	25	50	100
(3) Карельская АССР (вся территория, кроме южной части)			
-24	-31	-32	-34
-26	-33	-34	-36
-28	-35	-36	-38
-30	-37	-38	-40
-32	-39	-40	-42
-34	-41	-42	-44
-36	-43	-44	-46
-38	-45	-46	-48
(4) Прибрежный (I) район			
-20	-27	-28	-30
-22	-29	-30	-32
-24	-31	-32	-34
-26	-33	-34	-36
-28	-35	-36	-38
-30	-37	-38	-40
(5) Западный (II) район			
-28	-37	-39	-40
-30	-39	-41	-42
-32	-41	-43	-44
-34	-43	-45	-46
(6) Восточный и юг КАССР (III) район			
-28	-39	-42	-44
-30	-41	-44	-46
-32	-43	-46	-48
-34	-45	-48	-50
-36	-47	-50	-52
-38	-49	-52	-54
-40	-51	-54	-56

Key: (1). Average from absolute annual minimums. (2). Absolute minimum of temperature, possible one time in number of summer/years indicated. (3). Karelian of ASSR (entire territory, besides south part). (4). Circumlittoral (I) region. (5). Western (II) region. (6). East and south KASSR (III) region.

Table 10. Average from the absolute minimums of the temperature of air. In the table are placed data of average from the lowest temperatures in separate years during period of 1891-1960. Short series of observations are given to this period by the method of differences.

The values, close to absolute minimum, are encountered rarely - 1 time into 50-80 summer/years; therefore in practice as the index of frost danger, they put to use average from the absolute minimums of the temperature of air. The value of average from absolute minimums, just as the value of absolute minimum, it depends on location. Average from the annual absolute minimums of the temperature of air is the input parameter to Table 37, with the aid of which it is possible to determine the minimum of different probability (security).

Table 11. Average maximum of the temperature of air. Table depicts the average monthly maximum temperature of air. observations on maximum thermometer on the mass network of stations will be begun from 1912; however, because of good communication/connection of average maximum with average monthly temperature, the latter by the method of differences was given to period by 1881-1960.

For obtaining the stable average maximum temperatures, are required also series of high duration in view of the variability of average maximum in secular trend. Differences in the average maximums between adjacent decades can exceed 2° (Table XI).

The average maximum of the temperature of air characterizes the daytime warm part of the days. Therefore in connection with the fact that in the daytime in the warm period of year the turbulent mixing of air is sufficiently intense, the effect of local factors on the maximum temperature is manifested to a lesser degree. Under conditions, which interfere turbulent exchange (among woody cultivations in garden, during wood clearing), the maximum temperature in summer period on $0.6-1^{\circ}$ is higher than on the open place. Of this, is not difficult to be convinced on this table XII, in which are given differences in the average maximum to stations Nikolayevskoye and Gdov according to observations in garden and in field.

Great effect from local factors, on the territory in question, on the average maximum of the temperature of air have the water basins, especially large.

Table XI. Average maximum temperature of air on tenth anniversaries and the difference between the average of adjacent decades (Leningrad, GMO).

(1) Периоды наблюдений	(2) Январь		(3) Апрель		(4) Июль		(5) Октябрь	
	средняя темпе- ратура (6)	раз- ность (7)	средняя темпе- ратура (6)	раз- ность (7)	средняя темпе- ратура (6)	раз- ность (7)	средняя темпе- ратура (6)	раз- ность (7)
1881—1890	-5.0	—	6.5	—	22.0	—	7.1	—
1891—1900	-5.5	0.5	6.4	0.1	21.7	0.3	7.8	-0.7
1901—1910	-4.0	-1.5	7.1	-0.7	21.0	0.7	7.4	0.4
1911—1920	-5.2	1.2	7.5	-0.4	22.5	-1.5	6.5	0.9
1921—1930	-4.7	-0.5	6.5	1.0	21.5	1.0	6.9	-0.4
1931—1940	-4.7	0.0	7.5	-1.0	23.7	-2.2	7.7	-0.8
1941—1950	-6.1	1.4	7.3	0.2	22.3	1.4	7.7	0.0
1951—1960	-4.0	-2.1	7.6	-0.3	22.2	0.1	7.8	-0.1
(8) Средняя за 1881—1960 гг.	-4.9	—	7.0	—	22.1	—	7.4	—

Key: (1). Periods of observations. (2). January. (3). April. (4). July. (5). October. (6). mean temperature. (7). difference. (8). Average after.

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In coasts of basins in a spring-summer period, average maximum is below, but into autumn-winter - it is higher than far from them. This very convincingly show a difference in the average maximum temperatures of the pair of stations - new Ladoga, arrange/located in coast, and the Volkhov, which is located in removal/distance from shore (Table VIII).

Even more considerable differences in average/mean maximum are observed in the deep-water part of the basin, as for instance, on Onezhskiy lake. The stations of Klimenitsy and hay jaw are arranged/located on large Klimenitsk island; the first of them is found on 1 km nearer the shoreline than the second. If on the first pair of stations, which is located in external coast, a great reduction in the average maximum of temperature composes -1.1° , and the increase a total of 0.2° , then in the internal part of the basin it is respectively equal to -2.3 and 0.7° (Table XIII). Such a different effect, exerted by basins in external coasts and coasts of islands, is explained by the lower temperature of water in spring-summer period (and higher - into autumn-winter) and high wind velocities in the internal parts of the water basins. On the other hand, data, placed in Table XIII, show that the effect of water basins on the average maximum of the temperature of air is spread only on the narrow band of coast, by the width of 1 km (table XIII - hay jaw), but further this effect with removal/distance from shore rapidly extinguishes.

Other local factors, such, as relief, is had smaller effect on the value of average maximum (to 0.5°). Therefore data of the average maximum of the temperature of air can be to larger degree spread to

the nearest territory where there are no weather stations.

Table 12. Absolute maximum of the temperature of air. Table depicts data, which characterize the highest values of temperature during period of 1881-1960. Stations with short series are given to this period by the method of differences. In a series of the cases due to the absence of data on maximum thermometer on mass grid/network to 1912, are utilized data of the maximum of temperature on urgent thermometer with the introduction of the corresponding correction. On the effect of local factors on maximum temperature, it is said above. The variability of maximum temperature is insignificant (Table XIV).

Table XII. Differences in the average maximums of the temperature of air in one point at the varied conditions of location.

(1) Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
(2) Николаевское, сад—Николаевское, поле	0.4	0.7	0.7	0.4	0.8	0.9	0.9	1.0	0.8	0.5	0.6	0.8
(3) Гдов, сад—Гдов, поле	0.3	0.5	0.5	0.9	1.0	0.6	1.0	0.7	0.5	0.4	0.1	0.1

Key: (1). Station. (2). Nikolayevskoye, garden - Nikolayevskoye, field. (3). Gdov, garden - Gdov, field.

Table XIII. Change in the average maximum of the temperature of air under the effect of water basins.

(1) Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
(2) Новая Ладога—Волхов	0.2	0.1	-0.3	-0.7	-1.1	-0.7	-0.6	-0.3	0.0	0.2	0.2	0.2
(3) Клименцы—Сенная Губа	0.2	-0.1	-0.3	-0.3	-2.3	-1.9	-1.7	-1.2	-0.8	-0.3	0.7	0.2

Key: (1). Station. (2). New Ladoga- Volkhov. (3). Klimenty - Sennaya Guba.

Table 38 gives given data on the frequency of different values of the maximum temperature at the specific values of average from the absolute maximums of temperature air.

Table 13. Number of days with the maximum temperature of air within different limits. Table depicts the average frequency of the number of days with the maximum temperature of air in the separate days through 5°. The procedure of processing these data is analogous to the procedure of processing table 6. The number of days with the maximum temperature of air can be obtained for any station, placed in Table 11, by means of data, presented in Table 24.

Table 14. Average from the absolute maximums of the temperature of air. In the table are placed data of average from the highest temperatures in separate years during period of 1881-1960. Short series of observations are given to this period by the method of differences.

Average from the absolute maximums of the temperature of air characterizes the most frequently repeated in separate years high temperatures. Absolute maximum, as absolute minimum, is encountered rarely (Table XIV). Data of this table serve as the input parameter in Table 38, in which are given the probabilities of the maximum temperatures in separate years.

Table 15. The sums of the average diurnal temperatures of air

are below -10 , -5 , 0 and higher than 0 , 5 , 10 and 15° . Table depicts the sums of temperatures, calculated according to the many-year average monthly temperatures, given in Table 1. The sums of positive temperatures are computed during the periods of time from the dates of the transition of average diurnal temperatures through the appropriate limits with spring and autumn, the sums of minus temperatures - from the dates of their transition in autumn to the dates of transition in spring. Sums of the positive average diurnal temperatures of air can be utilized, for example, as the index of the heat receipt of plants. They reflect the resource/lifetimes of heat, caused by the heat balance of data of territory. Like all the thermal characteristics, the values of the sums of temperatures depend on local special feature/peculiarities. With an increase in altitude of the place above sea level of the sum of temperatures, they are reduced. For example, with altitude difference of the stations of Kingiseppa and Kipeni approximately 100 m of difference in the sums of temperatures higher than 5° compose 166° , higher than 10° - 183° and higher than 15° - 163° . Great effect has the form of relief and the exposure of slopes.

Table XIV. Absolute maximum of the temperature of air, possible one time in the number of summer/years indicated, at the specific average of absolute annual maximums.

(1) Средний из абсолютных годовых максимумов темпера- туры	(2) Абсолютный максимум температуры, возможный один раз в указанное число лет			
	5	25	50	100
24	26	27	28	29
26	28	29	30	31
28	30	31	32	33
30	32	33	34	35
32	34	35	36	37

Key: (1). Average from the absolute annual maximums of temperature.

(2). Absolute maximum of temperature, possible one time in number of summer/years indicated.

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At the apex/vertexes of elevations, the sum of temperatures is above, but in the lowered/reduced places it is below in comparison with the even open place. For example, on st. Puskinskaya mountain, arrange/located on elevation, the sum of temperatures are higher than on st. Sushchevo, arrange/located on the same height above sea level, but on even place. Difference in the sum of the temperatures higher than 5° in this pair of stations comprises: higher than 5°-51°, higher than 10°-43°, higher than 15°-44°. Under the effect of the

water basins of the value of the sums of temperatures, also they change. In coasts of shallow basins, somehow: the lakes of a Pskov-Chudskogo and Il'men', and also the shallow parts of the large water basins (Gulf of Finland and Lagoda lake) of the sum of temperatures are somewhat raised in comparison with the territory, removed from water basins. Of the deep-water open parts of the water basins of the sum of temperatures, considerably they decrease, which especially noticeably is reflected in the decrease of the sums of temperatures higher than 15°. Are especially unstable the sums of the temperatures higher than 15°, which in cold years can no, since there is no period with the average diurnal temperatures higher than 15°. The number of such summer/years depends on region. the great number of such summer/years, is more than 50o/o, occurs in northern part of Karelia, small, 1-3o/o, in the western part of Leningrad and Pskov regions. Tables 39-42 gives the probabilities of different values of the sums of the temperatures in separate years.

Table 16. Dates of the first and last/latter frost and the duration of frost-free period. Frost considers in the daytime such day, when on minimum thermometer there were 0° or below. Data of this table are the many-year average and extreme (earliest and latest) dates of the first frost in autumn and last/latter frost in spring from readings of minimum thermometer, establish/installated in psychrometric shelter at height 2 m above the surface of soil. The

means of date are calculated within the limits of period 1891-1960; stations with the blind file of observations are given to fundamental period by graphic method with the utilization of a dependence between average minimum temperature and the means of date of last/latter and first frost in air. The average duration of frost-free period is obtained by calculating the number of days between the placed in table means of date of last/latter and first frost. the extreme dates of frosts (earliest and latest), and also the greatest and smallest duration of frost-free period are selected according to actual observations, as a rule, on the stations, having it is not less than 25 summer/years of observations. But in a series of the cases are placed also data on stations with the blind file of observations into which will enter the year of the earliest or latest frost in this region. The same it is possible to say, also, about the greatest and smallest duration of frost-free period. The dates of onset and termination of frosts, and also the duration of frost-free period can to a considerable degree be distinguished depending on the special feature/peculiarities of location. For example, on st. Leningrad, ^{GMO}~~Gmo~~ the duration of frost-free period are more by 50 and more days, than in to airport (with respect 156 and 113). For the duration of frost-free period, also has effect the reliefs. Thus, for instance, at station Kesten'ga as a result of the transfer of area/site from even place to that elevated, and at station Yefimovskaya from the slope of hill to even place frost-free period will increase on 10 days (Table XV).

At the stations, outlying from urban type settlements in field, on the contrary, is observed the decrease of frost-free period (boat field and great bows, Table XV). In coasts of water basins, the length of frost-free period on the average is increased on 20-25 days (new Ladoga 149, Volkhov 125).

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In Table XVI are given the corrections, which one should add to the dates of frosts and duration of frost-free period for the specified conditions of location in comparison with the even open place.

In separate years, as show the extreme dates of frosts, onset and their termination, and also the duration of frost-free period can considerably differ from average values. Tables 44-46 gives the probability of onset and termination of frosts and duration of frost-free period in separate years.

Table 17. Probability of summer/years with the frosts of different intensity depending on average minimum temperature of air for decade. The table is comprised on the basis of given on frequency summer/years with the frosts of different intensity on decades for separate stations and average minimum temperatures of air for decade for these stations.

Table XV. Change of the means of date of onset and termination of frosts and duration of frost-free period in air in one point under the effect of location.

(1) Станция	(2) Изменение (дни)		
	(3) последний заморозок	(4) первый заморозок	(5) продолжитель- ность безмороз- ного периода
(6) Кестеньга, ровное место — Кестень- га, возвышенное место	-5	+5	+10
(7) Ефимовская, склон холма — Ефи- мовская, ровное место	-5	+5	+10
(8) Лодейное Поле, город — Лодейное Поле, открытое место	+8	-5	-13
(9) Великие Луки, город — Великие Луки, поле	+5	-8	-13

Note. Plus (+) means that the dates of frosts later and frost-free period are longer, minus (-) - date earlier and frost-free period is shorter in comparison with previous location.

Key: (1). Station. (2). Change (days). (3). last/latter frost. (4). first frost. (5). duration of frost-free period. (6). Kesten'ga, even place - Kesten'ga, elevated place. (7). Yefimovskaya, slope of hill - Yefimovskaya, even place. (8). Boat field, city - boat field, opened place. (9). Velikiye Luki, city - Velikiye Luki, field.

Table XVI. Change of the means of date of onset and termination of frosts and the duration of frost-free period in air under the effect of location.

Table XVI.

(1) Местоположение	(2) Поправки (дни)		
	(3) последний заморозок	(4) первый заморозок	(5) продолжитель- ность безмороз- ного периода
(6) Вершины и верхние части склонов	-10	+10	+20
(7) Долины больших рек	-5	+10	+15
(8) Сырые долины, осушенные болота и заболоченные луга, лесные поляны	+11	-14	-25
(9) Города	-5	+10	+15

Note. Plus (+) means that the dates of frosts later and frost-free period are longer, minus (-) - date earlier and frost-free period is shorter in comparison with the even open place.

Key: (1). Location. (2). Corrections (days). (3). last/latter frost. (4). first frost. (5). duration of frost-free period. (6). Apex/vertexes and upper parts of slopes. (7). Valleys of large rivers. (8). Damp/crude valleys, dried swamps and swampy meadows, wood clearings. (9). Cities.

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For calculating the frequency of summer/years with frosts, are utilized daily observation ^(TM-1)~~(tm-1)~~ on minimum thermometer, placed in the weather instrument shelter at height 2 m above the surface of soil. Frequency is computed according to the stations, having series observations not less than 25-30 summer/years.

Data for the table are acquired on the curves of the dependence between the frequency of summer/years with frosts and average minimum temperature of air for decade, separately for spring and autumn, since the type curved for spring and autumn is somewhat is various. Summer frosts are not independently isolated, since type curved for the summer frosts of the same and for autumnal. On the basis of curve/graphs, are comprised the tables.

For determining the probabilities of the onset of frosts in any month of spring and autumn, one should put to use graph "spring" or "autumn" taking into account appropriate average minimum temperatures of air for decade in the given month of spring or autumn. But if they are observed and summer frosts (July), then for determining the probability of their onset one should put to use graph "autumn" taking into account July average minimum temperatures of air for decade.

Average minimum temperatures of separate decades are determined from Table 7 the "average minimum of the temperature of air". For this, by the method of histograms is constructed the curve/graph of the annual variation of average minimum temperatures of air. From curved annual variation are remove/taken average minimum temperatures

for separate decades (to the 5th, 15th and 25th number). Graphing of the annual variation of minimum temperatures approximately can be produced also by compound by clean-cut line of the values of average monthly minimum temperatures, with the exception/elimination of the period of the highest temperatures when is necessary to use the method of histograms.

Table 18. The means of date of onset, stopping and duration of stable frosts. The dates of beginning and end of the stable frosts are determined graphically from the daily readings of minimum and urgent thermometers. The curve/graphs of the dates of beginning and end of the stable frosts are constructed for each year of observations, and via their averaging calculated average many-year dates.

For the winter with stable frosts, is accepted such, in which not less than one month continuously the temperature of air will be below 0° both on minimum thermometer and in various periods. Within frost period are allow/assumed 2-3 days with thaw, but it is not earlier than 10 days after the beginning of period and it is not later than for 10 days to its end.

If for winter are observed two periods with frosts by duration not less than the month, then for the beginning of stable frosts is

accepted the date of the beginning of the first period, but for end - date of the second period.

The average many-year duration of period with stable frosts is defined as number of days between the average many-year dates of their beginning and end.

By this sufficiently work consuming method are treated data of the stations, having sufficiently prolonged series of observations (in Table 18 these stations were noted by asterisk (*)). Data of short-line stations were obtained by indirect method on the basis of communication/connection of the dates of stable frosts with average monthly temperature. The means of date of beginning and end of the stable frosts can serve as the indices of onset and termination of winter season. In the territory in question the greatest duration of the period of stable frosts, 140-130 days, is observed in the northern part of Karelia, smallest, less than 100 days in the western part of Leningrad and Pskov regions. Great effect on the dates of the onset of stable frosts have large water basins.

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In coast of Gulf of Finland, for example, the frosts begin on 5-6 days later than far from it.

Table 19. Frequency of the frost periods of different continuous duration, average duration, the average from the greatest and greatest continuous duration of frost periods. In table is given the frequency of the continuous duration of frost periods for time interval from the first date of frost by the autumn d of the latter - in spring. The continuous duration of frost periods is the number of days in a row with maximum temperature 0° and it is below. Findings show that the frequency of the duration of frost periods little is changed in space. Therefore for this table used limited number of stations, sufficient which light the territory in question. The average duration of frost periods is 6-7 days. This insignificant average duration of frosts is explained to the fact that in the beginning of season in autumn and in spring the duration of these periods is short, it is alternated with the sufficiently prolonged periods of thaws.

Average from the greatest durations of frost periods composes 40-50 days in Karelia even 25-30 - in the territory of Leningrad, Pskov and Novgorod regions. In separate years the frequency of the duration of frost periods sufficiently strongly oscillates depending on the character of winter. Because of this, placed in table data of the greatest duration on all stations, with the exception/elimination

of Leningrad, several are understated (on the territory of Leningrad, Pskov and Novgorod regions they are noted by italics), since at these stations are absent observation for winter 1892-93, which was record on the duration of frost period. In the territory of Karelia where the frosts they are more stable, data of the greatest duration of frost periods are possible with the large basis/base to accept as close to reliable data, although the period of the used observations also insufficiently prolonged.

Table 19a. Frequency of periods with the thaw of different continuous duration and their average continuous duration. Table gives the frequency of the duration of periods with thaw during the period of time from the first frost by autumn to the latter in spring (analogously by data, placed in table 19). Findings show that the frequency of periods with thaws just as with frosts, little it is changed on territory and comprises on the average of 4-5 days. The greatest frequency of prolonged thaws is usually in the beginning and end of the frost period.

Table 19b. Frequency of the number of days with different maximum temperature at thaws. Data of the tables are comprised on the same stations and for the same years, as in Tables 19 and 19a. Along with data by table 19a they make it possible to compose the representation not only of the duration of thaw, but also of those

increases of the temperatures which occur with thaws. It is necessary, however, to keep in mind that into this table entered all cases with the positive temperature of the air between periods with frosts. By late spring and early autumn frosts are usually observed by night in the period of sufficiently high daytime temperatures. Are related by this time the values of maximum temperatures from 7 to 15°. These days can be referred to thaws only conditionally. In the period of stable frosts, the maximum values of the temperature of air at thaws more frequently are within limits 0-2°. The more intense thaws, when temperature is raised to 4°, occur more rarely.

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Table 20. Average number of days with minus temperature in all hours of the days (max. $\leq 0^\circ$), with the transition of temperature through 0° (max. $>0^\circ$, min. $\leq 0^\circ$) and with positive temperature in all hours of the days (min. $>0^\circ$). Data of the tables are acquired on the basis Table 9 and 13 on the same stations which are placed in these tables. In the first row table, gives the days when the temperature of air in all hours of days was negative, i.e., when maximum temperature was not risen above 0° - This is the number of days with stable frosts. Given in the second period is the number of days with the transition of the air temperature through 0° .

In the cold period when average diurnal temperature is lower than -5° , these are days with thaw, in warm period at average diurnal temperature, it is higher than 5° - these are days with frosts. The frequency of such days has great practical value, since the frequent transition of the temperature of the air through 0° produces change in the phase state of water, which negatively manifests itself in the practice of different branches of national economy (transport, agriculture, etc.). In the third row are given the days with positive temperature in all hours of days. In cold season - this of thaw by duration is not less than 24 hours. On Table 20 shows that on the majority of stations only during July are

not observed the frosts (when the minimum of temperature higher than 0°), on some of their stations does not occur during August. However, in a series of regions, even July is not free from the frosts (see explanation to Table 16).

Table 21. The calculated temperature of coldest five-day period, calculated winter ventilation temperature, mean temperature of heating period and its duration. Data of this table are utilized for design of different buildings and heat engineering calculations of the enclosing constructions. Special investigations establish/installed that to the temperature of air within construction most essential effect has the low temperature, which was being observed of 5 days in a row. For determining mean temperature of the coldest five-day periods, were utilized data of the stations, having not less than 50 summer/years of observations within the limits of period from 1881 on 1960. In this case, the number of five-day periods which are selected of all summer/years, must compose 160/o of the number of summer/years of observations at this station. For example, in Leningrad where the period of observations is 80 summer/years, mean temperature is obtained of 13 coldest five-day periods, which were being observed in different years. Moreover if for one and the same winter there was 2-3 cold five-day periods, then into calculation entered that, that had the lowest temperature. For determining the calculated temperatures of surrounding air of

short-row stations, was used the indirect method, developed in the main geophysical observatory im. A. I. Voeikov (in more detail it is possible to become acquainted in the articles: 1) E. S. Rubenstein "Procedure of the determination of calculated temperatures for the design of the enclosing constructions of buildings", the coll. of article the "Questions of applied climatology", Gidrometeoizdat, 1960; 2) Ye. S. Rubenstein and M. M. Shatskiy "About calculated external temperatures". "Industrial construction", No 12, 1961). On the basis of this method for obtaining the calculated temperatures of surrounding air, is used communication/connection between the calculated temperature and the average monthly temperature of the coldest month.

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As a result for the majority of stations the calculated temperature of air was determined from the formula

$$t_p = 1.125 t_{cp, c. x. m} - K,$$

where t_p - the calculated temperature of surrounding air, $t_{cp, c. x. m}$ - mean temperature of coldest month, K - the absolute term whose value depends on region. In region I $K = 14.6^\circ$, in region IA $K = -17.6^\circ$ (pattern of zoning is represented in Fig. 10 and 11). Average temperatures of cold five-day periods, obtained by calculation from natural series of observations, unlike those calculated by indirect

method, are noted in Table 21 by sign "X". Calculated winter ventilation temperature - is mean temperature of the coldest part of the heating period. For the calculation of ventilation temperature, as for the calculated temperature of coldest five-day period, are used data of long-row stations. For stations with short series of observations, are establish/installed communication/connections of ventilation temperature with the number of days with average diurnal temperature and analogous with the calculated temperature of air is obtained equation

$$t_{p. n} = 1.125 t_{cp. c. x. m} - 3^{\circ},$$

where $t_{p. n}$ - calculated winter ventilation temperature, $t_{cp. c. x. m}$ - mean temperature of the coldest month.

During heating period is accepted the period with the average diurnal temperature lower than 8° . Duration and mean temperature of heating period are determined by the curves of the annual variation of the average monthly temperature of air (to histograms).

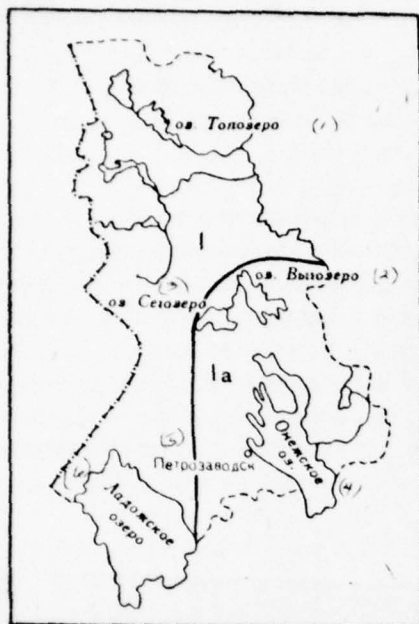


Fig. 10

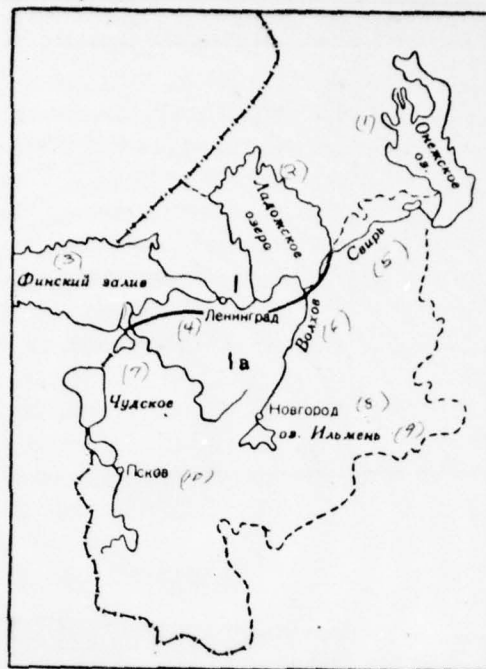


Fig. 11

Fig. 10. Regions for the calculated temperatures of surrounding air (to Table 21). Karelian ASSR.

Key: (1). Lake Topozero. (2). Lake Vygozero. (3). Lake Segozero. (4). Onega Lake. (5). Petrozavodsk. (6). Ladoga lake.

Fig. 11. Regions for calculated temperatures of surrounding air (to Table 21). ^{Novgorod} Leningrad and Pskov regions.

Key: (1). Onega Lake. (2). Ladoga lake. (3). Gulf of Finland. (4). Leningrad. (5). Svir'. (6). Volkhov. (7). Chudskoye. (8). Novgorod. (9). Lake Il'men'. (10). Pskov.

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Tables 22, 23, 24. Number of days with the average diurnal, minimum and maximum temperature of air within different limits at the specific average monthly values. Table 22-24 number of days with the average diurnal, average minimum and average maximum temperature of air within different limits depending on mean temperature gives not on separate stations, as this is given in Tables 6, 9 and 13, and by regions. These data are obtained by means of the generalized distribution curves of the diurnal, minimum and maximum temperature, which are plotted on the basis of observations of long - row stations (Tables 6, 9 and 13) which are located on that examine/considered, or adjacent, with it territories. In the territory in question in Tables 22-24 are isolated several regions which are represented in Fig. 12 and 14. In this case, in the territory of Karelia on Tables 22-24 during January is isolated only one south region, which for an interrelationship with the tables of probabilities (25-42) is designated in region III, and the remaining territory of republic is designated in I and II regions. On the territory of Leningrad, Novgorod and Pskov regions in Tables 22 and 23 it is isolated three regions: I - circumlittoral, II - western and III - east. In III region on Table 22 during March, April, November and December, was isolated the northeast part which was designated as subregion IIIa. According to the character of the variation of the average diurnal temperature this subarea uniform with region III in KASSR. In separate months, predominantly in warm

period, according to the number of days with average diurnal and minimum temperature (Tables 22 and 23) entire territory proved to be uniform in the type of frequencies that it made possible of association into one region. According to the number of days with maximum temperature (Table 24) this association is made for entire year, with the exception/elimination of January, in the territory of KASSR.

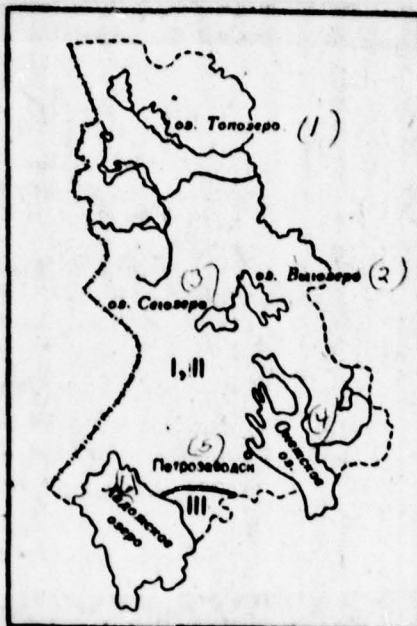


Fig. 12

Fig. 12. Regions of probability distribution (to Tables 22-23).
Karelian ASSR.

Key: (1). Lake Topozero. (2). Lake Vygozero. (3). Lake Segozero. (4).
Lake ~~Onega~~. (5). Petrozavodsk. (6). Lake ~~Lagoda~~.
Λ

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Tables 22-24 ~~make~~ make it possible for any short-row station,
placed in Tables 1, 7 and 11, to obtain the frequency of average
diurnal, minimum and maximum temperatures on gradations.

Tables of probability characteristics. Besides the average and extreme values, given in the tables pointed out above, in this handbook is included a series of the tables on the basis of which it is possible to judge that, how frequently in this region (or point) are observed different deviations from average, and also from what these average are composed. Under probability is implied the statistical frequency of phenomena for a long series of summer/years, expressed in percentages from the total number of observations. In the given tables is indicated not the probability of value itself, but probability that the temperature characteristic (different temperatures, dates, the sums of temperatures, etc.) in question will be not above (it is later) or it is not below (it is earlier) in tables the values indicated.

Data for these tables are acquired on the basis of the typing of the curves of distribution (it is analogous with Tables 22-24). For data finding for tables probabilities, was applied the method of deviations from average values. In the tables are placed the probabilities for gradations 5, 10, 25, 50, 75, 90 and 95o/o. On given in tables data it is possible to obtain by interpolation any intermediate values of probabilities. At the typing of the frequency of the temperatures as indices served the absolute deviations from average, the characterizing variability temperatures (calculation procedure was presented in S. A. Sapozhnikovoy's article "calculation

of the frequency of minimum temperatures in the European territory of the USSR", the transactions of NIIAK, issue 12, 1962). Tables 25-42; 44-46 probabilities gives for the specific values of average values. Since the probabilities are calculated by the method of deviation from average, it is not difficult to establish/install, which value it is necessary to take away (at the values of probability less than 50o/o) or to add (at the values of probability more than 50o/o) in order to obtain the desired value of probability for any value of average.

The tables of probability (security) have great practical value not only for the evaluation of climatic conditions, but also with the characteristic of the special feature/peculiarities of the weather of concrete year. For example, during the evaluation of the possibility of the cultivation of any culture, for which was obtained a good or poor harvest for one-two summer/years. A good harvest of heat-loving culture, obtained in the warm year whose probability does not exceed 10-25o/o, does not still give grounds to consider that culture successfully will go in this region. For the confidence of the cultivation of one or the other culture, it is necessary that the probability of the conditions, favorable for its cultivation, would be 75-90o/o. Or, for example, the damage of agricultural plants by the spring frost whose probability composes 5-10o/o, it does not give another basis/base for the assertion of the impossibility of the

cultivation of these cultures.

In the territory in question on the typing of curved probabilities, it was isolated just as on Tables 22-24, several regions which were represented in figs 13, 14, 15 and 16. In this case, great difference according to the character of variation render/showed on this Table 31 in the territory of Leningrad, Novgorod and Pskov regions and on by data Table 33 in the territory of KASSR, on these tables it was isolated by three region in each territory (Figs 13 and 14), in the territory of KASSR: I - northern, II - central and III - south; on the territory of the regions indicated: I - circumlittoral, II - western and III - east.



Fig. 13

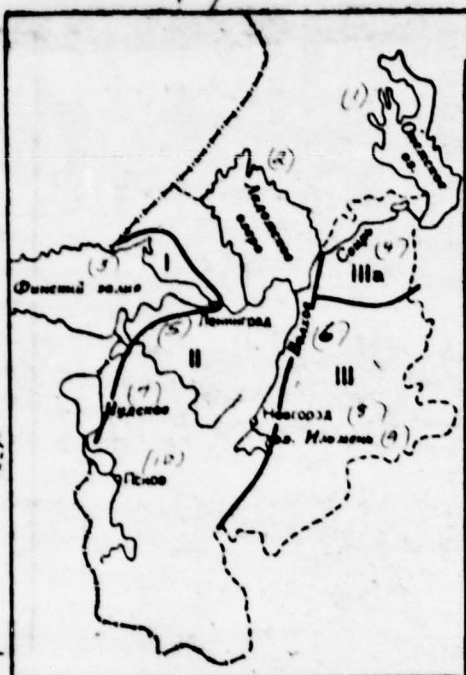


Fig. 14

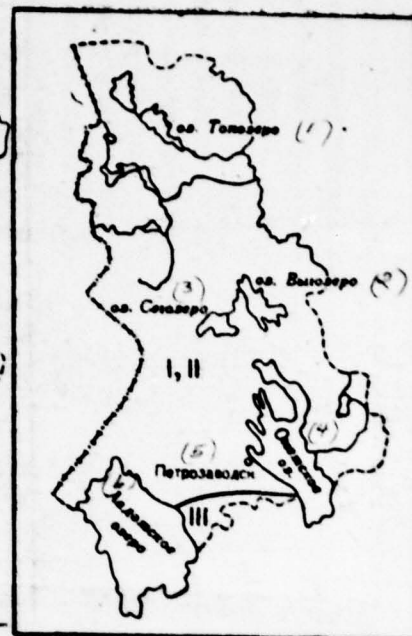


Fig. 15

Fig. 13. Regions of probability distribution (to Tables 25-36, 39-42). Karelian ASSR. Key: (1). Lake Topozero. (2). Lake Vygozero. (3). Lake Segozero. (4). Onega Lake. (5). Petrozavodsk. (6). Lagoda Lake.

Fig. 14. Regions of probability distribution (to Tables 22-23, 25-36, 39-42). Leningrad, Novgorod and Pskov regions. Key: Same as for Fig. 11.

Fig. 15. Regions of probability distribution (to Table 37). Karelian ASSR.

Key: Same as for Fig. 13.

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On a series of Tables (25-31 and 35) in the territory of KASSR was isolated one south (III) region, but in the territory of Leningrad, Novgorod and Pskov regions on a series of Tables (25-26 and 33) was isolated one circumlittoral (I) region. In this case, on by data Tables 27-30, 34-35, 38-41, 44-45 character of distribution proved to be uniform that it made it possible entire territory in question to combine into one region. Somewhat different zoning was produced on this Table 37 on the territory of Leningrad, Novgorod and Pskov regions. Unlike other tables, on by data Table 37, Karelian isthmus according to the character of variation is wholly referred to circumlittoral (I) region (Fig. 16). On the territory of KASSR on this Table 37 was isolated one south (III) region where the character of variation uniform with the east (III) region, arrange/located on the territory of the regions indicated.

Explanations, as to put to use the tables of probabilities, are given in explanations to tables.

Tables 25-32. The dates of the onset of the average diurnal temperatures of air of different probability are higher than 0, 5, 10

and 15° in the period of temperature rise (Tables 25, 27, 29 and 31), also, in the period of a temperature drop (Tables 26, 28, 30 and 32). Tables 25-32 depict the dates of the onset of the positive temperatures of the air through 5° (0, 5, 10 and 15°) in spring-autumn periods of different total probability in separate years depending on the means of date (which are represented in Table 5).

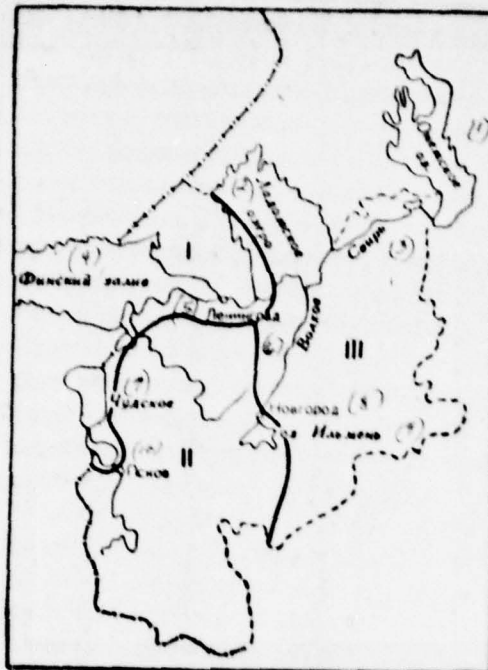


Fig. 16. Regions of probability distribution (to Table 37), Leningrad, Novgorod and Pskov regions.

Key: Same as for Fig. 11.

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Like other characteristics, the dates of the onset of temperatures are subjected to large variability and in separate years can to a great degree differ from the means of date. In practice frequently it is required to know, which the transitional probability of the temperature of the specific limit previously or later assigned date,

in particular during the determination of the most rational periods of the beginning of field works, beginning of sowing, etc. Knowing the mean of date of the transition of average diurnal temperature through 0, 5, 10 and 15° in spring or in autumn (on Table 5), on this Tables 25-32 it is possible to determine, which the probability of its onset is earlier or later than some specific date. Example: For region Volosov it is required to determine the percentage of summer/years when the date of the transition of the average diurnal temperature of air begins earlier 15/IV. On Table 5 we determine the mean of date of the transition of the temperature indicated by spring, for region of Volosov, it corresponds 26 IV. Through Table 27 we find that for mean of date 26 IV probability 250/o corresponds to date 19 IV (is earlier), but probability 100/o - 13 IV and it is earlier, by interpolation we obtain the unknown probability to 15 IV, equal to 150/o. Tables 25-32 give probabilities for the means of date after 5 days. For determining the probability of the onset of the mean of date of the intermediate values of average, they enter as follows. As it was ^{already} ~~noted~~ noted, the tables of probabilities were comprised by deviations, in this case, in the majority of the cases, the probability of the onset of the mean of date was equal to 500/o, all the same other values of probabilities have the specific deviation from average (with sign + or -). Adding these deviations (with the appropriate sign) to the assigned average, we obtain the unknown values of probabilities. Example. Table 27 is comprised so

that the value of the mean of date (and earlier) according to her data it is equal to 50o/o. For obtaining the probabilities, equal to 25, 10 and 5o/o, it is necessary to introduce the correction, equal to with respect 7, 13 and 16 (with minus sign), for the probabilities, equal to 75, 90 and 95, -5, 10 and 12 days (with plus sign). Introducing the corrections indicated to any mean of date, on the stations, placed in Table 5, we obtain the dates, into which (and earlier) begins this transition in separate years with above probability indicated. By the methods indicated, given in examples, is determined the probability of any assigned value with which convenient to the mean of date, characteristic for this territory.

Tables 33-36. The duration of periods with average diurnal temperatures of is higher than 0, 5, 10 and 15° different probability. Tables depict different probability of the duration of periods with average diurnal temperatures on the gradations through 5°, placed in Table 5. The duration of periods with a temperature of higher than defined gradations just as the date of the transition through these gradations, in separate years it oscillates over wide limits. On Tables 33-36 it is possible to determine the duration of periods with the average diurnal temperature of the specific gradations (through 5°) of any assigned probability. For example, for region of Leningrad (GMO) with the average duration of period in average diurnal of air it is higher than 5° temperature 174 days

(Table 5) on Table 34 evident that the smallest duration of this period is equal to 140 days, but into 90o/o of summer/years its duration composes more than 161 days. Analogously it is possible to obtain with any assigned probability the duration of period from the average diurnal temperature through 5° (in more detail this dismantle/selected at the examples, given in explanation to Table 25-32).

Table 37. Minimum temperature of air of different probability.

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Table 38. Maximum temperature of air of different probability. Tables 37 and 38 depict the probabilities of annual absolute minimums and maximums with the specific average from annual minima and the maximums, placed in tables 10 and 14. The procedure of calculation of the probabilities the same as for other tables (method of deviations from average). In these tables the average from annual minima and maximums are given through 1°, which makes it possible to determine their different probability in separate years directly by to data Tables 10 and 14. As it was ^{earlier} ~~noted~~ noted, on this table 37 ^{are} ~~are~~ divided two regions on the territory of KASSR (Fig. 5) and three regions on the territory of Leningrad, Novgorod and Pskov regions (Fig. 16). On Table 38 character of variation proved to be uniform on

entire territory that it made it possible data of this table to combine into one region. The principle of the use Tables 37 and 38 the same as in the preceding/previous tables of probabilities, in explanations to which are given examples.

Tables 39-42. The sums of temperatures are higher than 0, 5, 10 and 15° different probability. Tables 3⁹~~9~~-42 depict the probabilities of the sums of the average diurnal temperatures depending on the average many-year sums, placed in Table 15. Probabilities are given for many-year sums, multiple 100°. Probabilities for the intermediate sums of temperatures can be obtained by interpolation analogous with the examples, placed in explanations to Tables 25-32 and 33-36. The sums of the temperatures in separate years can considerably differ from the average sums, given in Table 15. For example, in region of Sortaval where the sum of temperatures higher than 10° is approximately 1600°, the smallest sum can be a total of 1000°, most probable sum (with probability 900/o) composes 1300° (Table 41, region III, Fig. 13).

Table 4³~~2~~. The dates, to which are accumulated the sums of the temperatures of air above 5, 10 and 15° specific value at different sums. Table gives the means of date, to which are accumulated the sums of temperatures higher than specific gradations through 5° for different, average sums of temperatures, multiple 100°. For

agricultural calculations it is important to know, as rapidly grow on the sums of the temperatures of air in vegetative period and value from for separate the cuttings off of this period. Knowing the sum of temperatures, necessary for the ripening of any culture, on by data Table 43 it is possible to learn, to which date this sum is accumulated, and to compare, does not begin it later than the appearance of frosts. In the intensity of the accumulation of the sums of temperatures, the territory in question was districted. These regions are represented in Fig⁶ 17 and 18.

On the territory of Karelia on the sums of the increase of temperatures, were isolated three regions: the island (region I) of coast (region II) and remaining territory (region III). By the territory of Leningrad, Novgorod and Pskov regions the zoning by ascending sums of temperatures is accomplished in accordance with tables of probabilities, only in addition to them are separated islands, which are designated by subregion IX^a. Differences in these regions consist in the fact that on coasts and islands (in regions I and Ia) is observed the standing/settling in the growth/build-up of the sums of the temperatures on the average on six days in coast in comparison with continent and on islands - with coast. Are given below examples of the use of data by Table 43.

Examples. 1. It is required to determine for region Kingisepp, to which date grows on sum of temperatures higher than 10° , equal to 5000° . On Table 15 we determine the sum of temperatures higher than 10° ; for region of Kingisepp, it is equal to 1792° , we round off it to 1800° . On map/chart (Fig. 18) we determine, in which region is located the station. To Table 43 shows that at average sum 1800° sum of temperatures 500° grows on to 22/VI.

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2. On this same station it is required to determine, which sum of temperatures higher than 10° grows on ~~on~~ 5/VII. Through Table 43 we find that to this date grows on the sum, equal to 715° , it is rounded 700° .

3. To determine sum of temperatures it is higher than 5° region of Gdov in interval/gap from seeding of flax (10/V) to its ascents (25/V). On Table 15 we determine the sum of temperatures higher than 5° . For region of Gdov, it is equal to 2283° we round off it to 2300° . On map/chart we determine the position of Gdov (region 1 - circumlittoral). By simple calculations (interpolation) we obtain on Table 43 unknown sum during period from 10 to 25 V, equal to 150° (since the growth/build-up of the sums of the temperatures higher than 5° on the average composes 10° during day).

Table 44. Dates of the first frost of different probability.

Table 45. Dates, the last/latter frost of different probability.

Table 46. Duration of the frost-free period of different probability. Tables 44 and 45 depict the probabilities of the first and latter of frosts depending on the means of date, placed in Table 16. The means of date of frosts are given after 10 days. The tables are comprised employing the same procedure, as the preceding/previous tables of probabilities (methods of deviations).

Like all the temperature characteristics, frosts in air are subjected to large oscillation/vibrations from one year to the next. Are frequently into early warm springs possible the beginnings of cold air from the Arctic, the so-called cold returns.

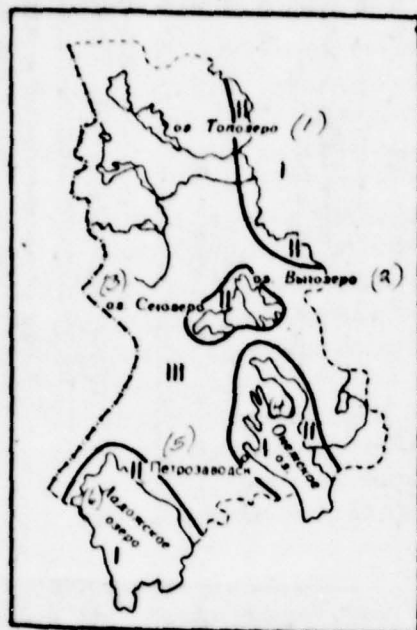


Fig. 17

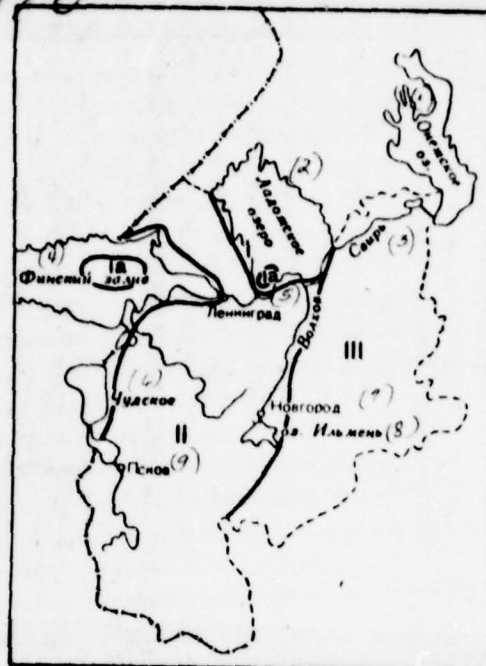


Fig. 18

Fig. 17. Regions of the accumulation of the sums of temperatures (to Table 43). Karelian of ASSR.

Key: Same as Fig. 10.

Fig. 18. Regions of accumulation of sums of temperatures (to Table 43). Leningrad, Novgorod and Pskov regions.

Key: Same as Fig. 11.

These late-spring frosts will deposit the greatest harm on agriculture, since they find plants into the later phases of the developments, into which they are more sensitive to frosts. Data of Tables 44-45 make it possible to evaluate, is how great a threat of frosts later assigned date in spring or previously assigned date in autumn.

Examples. 1. It is required to determine for region Belogorka where mean of date, termination of frosts 18 VI (Table 16), probability of onset of frosts in separate years in period from seeding to ascents of cucumbers which are here usually realized by 8 and 19 VI. Through Table 45 we find that the frosts here 8 VI and are more lately probable in all into 50/o of summer/years. The very late date of the termination of frosts falls on 17 VI, i.e., on 2 days it is earlier than the mean of date of the ascents of cucumbers.

2. To determine for region Loukha, where mean ~~date~~ date of last/latter frost falls on 8 VI (Table 16), in which percentage of summer/years frosts will beat ascents, and also buds of potatoes, if its ascents are observed usually 22 VI, ^{and bud formation} ~~a chronovaria but now~~ 18 VII. on Table 45 we determine (by interpolation), that 22 VI (and later) frosts can be observed only into 160/o of summer/years, but the date of the latest frost in Loukha falls on 13 VII, i.e., on 9 days it is earlier than appear buds at potatoes.

It is necessary to bear in mind, that ~~Table 544-46~~ as ~~Table 16~~, are calculated with respect to the surfaces, shielded from the cooling by radiation emission. On openly arranged/located surfaces of plant covering, the frosts are finished more lately and begin more early.

Data ~~Tables 44 and 45~~ in view of the uniformity of the character of variation both in the territory of KASSR and in the territory of remaining regions it proved to be possible to combine into one region. On ~~Table 46~~, in which is represented the probability of the duration of frost-free period, was isolated northeast, that was being found on the territory of Leningrad region, named us with subarea IIIa (~~Fig.~~ 14), where in comparison with remaining territory the variability of the length of frost-free period proved to be greatest. Here, as ~~already~~ it was indicated (see explanation to ~~Table 16~~), is observed the smallest frost-free period, and frosts are possible even during July. In some localities, arrange/located outside this region, but characterizing by the conditions, which facilitate the stagnation of cold air, for calculating the probability of the duration of frost-free period one should utilize also data subarea IIIa, since under conditions of clearings, the low and swampy places variability and the absolute deviations of the length of frost-free period from

average the same as in the northeast part of the territory (at these stations is a footnote, which indicates about the possibility of frosts during July, see Table 16).

Table 46 gives probabilities for the average durations of the frost-free period after 20 days. For calculating the probabilities of the intermediate values of average, placed in Table 16, one should this Table 46 calculate deviations from average and give them to the value of the average duration of frostless period. For obtaining the intermediate values of probabilities data to Table 46 one should interpolate (in more detail about this see the examples, led to the tables of probabilities).

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Section 2. Temperature of soil.

The temperature of soil is measured by the mercury thermometers: by elbowed (Savinov system), established/installed on small depths (5-20² cm from surface) and deep - exhaust to 3.2 m (at depths 0.20, 0.40, 0.60, 0.80, 1.20, 1.60, 2.40 and 3.20 m). On some stations lamonts thermometers are located on depths, multiple 0.25 m (0.25, 0.50, ^{1.0}_^ 1.5 and 2.0 m). Lamonts thermometers, as a rule, are establish/installed under natural covering - by in summer plant, in winter snow.

The network of elbowed thermometers to 1940 was rare, and were establish/installed thermometers both under the nude from vegetation soil and under the vegetation. From 1941 elbowed thermometers are establish/installed only under the nude surface. In present issue for depths 5-20 cm are used the observational data on elbowed thermometers under the nude soil.

Observational data above the soil surface temperature were used from 1947, when ground thermometers (mercury - urgent and maximum and alcoholic - minimum) are establish/installed so that the reservoirs

and the jackets of thermometers are half submerged into soil or into snow. Before this observation above the temperature of soil, they were irregular and thermometers were found on height by 2 cm from the surface of soil.

All ground and soil thermometers are establish/installed on even, the not overshadowed from the sun places. In a series of the cases, the soil surface temperature can be used as approximate characteristic of the temperature of surface "on the sun".

As a result of the inadequacy of instruments and procedure of observations above the soil surface temperature, the results of measurements are not completely precise. According to the investigations by S. A. Sapozhnikovoy, data of ground thermometers correspond to the temperature of surface layer 0.5-1.0 cm, but not of surface itself. Therefore the measured temperature in daytime is somewhat below, but into the night - it is higher than the real soil surface temperature. However, the surface of soil is the active ground surface which plays large role in the processes of heat-revolution, under conditions of the medium, which determines the growth of plants, etc. Therefore the temperature characteristics of surface, even this accuracy, have high practical and theoretical value. There is the same interest and the temperature conditions of soil in depths for agriculture, in buildings and other branches of national economy.

Besides the macroconditions, which affect the temperature conditions of air (radiation, circulation, the form of relief), for the temperature conditions of soil even larger effect exert mechanical composition and the type of soil, its humidity, surface condition of soil, coverage by vegetation, snow, bareness, etc. However, the effect of these factors on the temperature of soil is still insufficient studied and in many instances to give the quantitative expression of corrections is not impossible.

Table 1. Average monthly, maximum and minimum soil surface temperature. Table depicts data according to the soil surface temperature from readings of urgent, maximum and minimum thermometers, establish/installed by summer on the surface of soil, nuded from plant covering, in winter - on the surface of snow. The measurements the soil surface temperature are characterized by large error; therefore data Table 1 gives with rounding to the whole degree (from 1959 daily readings on the thermometers, establish/installed on the surface of soil, are conducted also with rounding to whole degree). The average monthly and annual values of the soil surface temperature are obtained on daily mean observational data in periods 1, 7, 13 and 19 hours.

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Average maximum and the average minimum of the soil surface temperature are obtained from daily given maximum and minimum thermometers. These data characterize the most possible heating of the surface of soil into daytime hours and its cooling in night and morning hours. The absolute values of the soil surface temperature characterize the greatest and smallest values of temperature, noted during record hot or cold days. In the table were used data from 1947, when were begun regular observations after the temperature of the nude surface of soil. However, in view of the large variability of the soil surface temperature, a 15 year period does not provide sufficiently stable average values; therefore given these are given according to the temperature of air to period of 1881-1960.

The soil surface temperature as the temperature of air, depends mainly on the solar radiation and air circulation. But furthermore, to the soil surface temperature is exerted effect the color of soil, mechanical composition, the humidity of soil, etc. Daily variations of soil surface temperature is expressed more sharply than in air.

In Table XVII are given averages amplitude of the temperature of air and soil surface temperature (difference between the average maximum and the average minimum). From these data it is evident that

the fluctuations of temperature on the surface of soil during entire year are considerably more than in air. Is especially great amplitude from May through September. The average monthly soil surface temperature in winter time differs little from mean temperature of air, but in summer months the average diurnal soil surface temperature on 2-5° is higher than mean temperature of air.

Table XVII. Averages amplitude of the temperature of air (a) and on the surface of soil (b).

(1) Амплитуды	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
(2) Лоухи												
a	9	10	11	10	9	9	11	10	8	6	6	7
b	10	12	15	14	18	22	22	19	13	8	8	10
(3) Ухта												
a	9	9	11	10	10	10	11	11	8	6	6	8
b	11	12	17	15	19	20	19	13	7	8	9	13
(4) Вознесенье												
a	7	8	9	9	11	11	11	10	8	6	4	6
b	9	11	13	13	19	20	23	20	13	17	6	7
(5) Озерки												
a	6	7	8	8	9	8	8	7	6	5	4	5
b	7	11	13	14	24	27	26	23	16	9	6	6
(6) Новая Ладога												
a	6	7	8	5	9	9	8	8	7	5	4	5
b	8	10	13	14	22	25	23	20	14	8	5	6
(7) Белогорка												
a	6	8	9	9	11	11	11	10	9	6	4	5
b	9	13	15	14	21	23	22	20	15	9	6	6
(8) Холм												
a	7	8	9	10	12	12	12	11	10	6	5	5
b	9	12	14	17	26	28	26	25	17	10	6	6

Key: (1). Amplitudes. (2). Loukhi. (3). Ukhta. (4). Are raised. (5). Ozerki. (6). New Ladoga. (7). Belogorka. (8). Kholm.

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Average maximum temperature characterizes in essence the soil surface temperature in the daytime of days, while average minimum - in the night. In summer (June - July) in daytime hours the average maximum temperature of the nude surface of soil on the average on 10-14° is

higher than the average maximum temperature of air.

In night time the in winter average minimum soil surface temperature on 2-5°, but in summer on 0.5-1.0° is lower than average minimum temperature of air.

Table 2. Average monthly temperature of the upper layers of soil on elbowed thermometers. Table depicts data of average monthly temperature from readings of elbowed thermometers, at depths 5, 10, 15 and 20 cm. of those establish/installled on the nude from vegetation, loosened and unshadowed pad.

In the table are used the series of observations of different duration within the limits of period 1940-1960, and on Karelia during period of 1945-1963, what is insufficient for the calculations of stable average. Therefore the temperature of the upper layers of soil is given according to the temperature of air by the method of differences to period of 1881-1960.

Elbowed thermometers are establish/installled in warm period usually in months from May through September, in northern regions and in Karelia - from June through September. Depending on the beginning of the thawing of soil and beginning of its freezing, the thermometers were removed and were establish/installled in different

time. Therefore, if the number of summer/years of observations in these early months (May and October) they compose less than 50o/o used summer/years, then instead of the value of temperature was placed point (-).

To the temperature conditions of the upper layers of soil, just as the temperature of its surface, affect the local conditions: microrelief, the exposure of slopes, vegetation, mechanical composition and the humidity of soil, etc. As a result of the heterogeneity of the surface of soil frequently the temperature of soil even at very insignificant distance can have very large differences. This one should consider during the utilization of data, where the observations according to the temperature of soil are not.

Table 3. Average monthly and annual temperature of soil on lamonts thermometers. In the table are placed the average monthly and annual temperatures of soil at different depths. Observations above the temperature of soil were conducted with the aid of lamonts thermometers, included into ebonite tubes, under the natural covering: in summer under grass, in winter under snow.

At stations Leningrad is Pavlovian for the previous years of observation they were conducted on two pads under natural covering and under the nude surface, in winter purified from snow, in summer - from grass.

Given in Table 3 data of the average monthly temperature of soil to depth 0.8 m are acquired according to the daily ~~daily~~ mean temperatures from observations to 1935 in 7, 13 and 21 hours, also, from 1936 1, 7, 13 and 19 hours.

Since the corrections, which depend on daily variation, are small, then can be disregarded, and, taking into account accuracy (0.1°), from which are conducted the observations, the average from urgent can be counted for actual average not only at depth 0.4 m, but also at depth 0.2 m.

Beginning from depth 0.8 m observation according to the temperature of soil they were conducted one time in a 24 hour period - 13 hours, since at large depths diurnal temperature change is virtually absent.

In Table 3 are used data of the limited number of stations, which have observations on lamonts thermometers of different duration within the limits of period 1891-1963.

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However, in view of the fact that the temperature of soil to a great

degree depends on many factors (mechanical composition, structure, the humidity of soil, difference in natural covering and it is other.); therefore prolonged uniform series according to observations above the temperature of soil it is small. The investigations, carried out in the main geophysical observatory im. A. I. Voeikov by the candidate of the geographical sciences M. S. Perunovoy, showed, that mean temperatures of soil, brought out from 10-15-year observations, are sufficiently stable. In this case, with an increase in the depth, this stability grow/rises. For separate fifteen-year periods the average at depths 0.2 and 0.4 m are sufficiently close to average from a 40-year series. Differences do not exceed 0.5° (July), but at depth 0.8 m and especially at depth 1.6 m even the average, brought out from a 10-year series, also are distinguished from 40-year on $0.1-0.3^{\circ}$. Because of this for depths beginning from 0.8 m average from 10-12-year series are obtained directly from observations. In some very rare cases the reduction of short-row stations is produced on the adjacent stations, which have more prolonged series of observations. When at one and the same the station of observation at different depths they had different duration, data of adjacent depths were given to the depth, having the greatest duration of observations. By the temperature of soil great effect is had, as it was ~~noted~~ ^{already} noted, many factors: the structure of soil, its mechanical composition, humidity, the character of covering both in summer and in winter and the like.

The presence of natural covering considerably smooths the annual variation of the temperature of soil, decreasing its amplitude. In Table XVIII are given differences in the temperature of soil between the nude surface and under natural covering, on observations in Leningrad and Pavlovsk. On these data it is evident that in summer under the nude surface the soil is warm than under grass. Is observed in winter opposite phenomenon, i.e., under snow cover the temperature of soil is considerably higher than without it, since snow cover acts by the warming form. These differences in the temperature of soil between the nude surface and the natural are outlined at all depths, including depth 1.6 m. In annual variation the onset of maximum and minimum of the temperature of soil delays with depth in comparison with the annual variation of the temperature of air.

Table XVIII. Differences in the average monthly and annual temperature of soil under the nude surface and natural covering.

⁽¹⁾ Глубина (м)	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	⁽²⁾ Год
⁽³⁾ Ленинград, ГМО													
0.4	-5.6	-6.3	-3.0	0.2	2.7	5.1	4.9	3.2	0.3	-0.4	-1.6	-3.7	-0.3
0.8	-2.4	-3.3	-2.2	-1.7	-3.1	-1.7	-0.6	0.1	0.5	1.0	1.4	1.2	-0.1
1.6	-1.1	-1.4	-1.6	-1.4	-1.8	0.7	2.6	2.5	1.1	-0.1	-0.6	-0.8	-0.2
⁽⁴⁾ Павловск													
0.2	-7.3	-7.4	-3.4	0.5	0.8	2.3	2.0	0.3	-1.3	-1.9	-1.4	-5.0	-1.8
0.4	-6.7	-6.8	-3.5	-0.2	0.6	2.3	2.4	0.6	-1.2	-2.1	-2.7	-4.6	-1.8
0.8	-3.8	-4.1	-2.8	-1.6	-0.5	1.6	2.1	1.0	-0.8	-1.6	-1.9	-2.5	-1.3
1.6	-1.4	-1.8	-1.8	-1.5	-0.5	-0.3	0.5	0.3	-0.4	-1.1	-1.0	-1.0	-1.0

Key: (1). Depth (m). (2). Year. (3). Leningrad, GMO. (4). Pavlovsk.

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So, at depth 0.4 m maximum begins during July, and minimum - during February, at depth 1.6 m, the maximum - during August, and minimum - during March. A difference in all these factors conditions considerable difference in the temperature of soil even at the stations, arranged/located in one point (for example, Leningrad, GNO, trying and new of area/site). This must be born in mind during the utilization of data, placed in Table 3.

Table 4. Average, great and small number of days $\leq 0^\circ$ in temperature. Table depicts average, great and small number of days with frost in soil from series of observations on lamonts thermometers. In the table are included data of the stations, which have observations not less than 10 summer/years. However, for obtaining stable data, are necessary series of observations not less than 20 summer/years; therefore data, obtained of series of smaller duration, can be utilized only tentatively. For day with frost to

depth 0.5 m, inclusively would be accepted such day, at least into one of periods of which the temperature was not higher than 0° ; at large depths data were selected from observations in 13 hours. When at any depth the number of days with frost was observed less than into 50o/o of summer/years of the used series, instead of the average value was placed sign (*). To such depths is given only great number of days with frost during entire period of observations.

For conducting the various kinds of earthwork, given in table data can be used for the rough estimate of the duration of the period when ground is in frozen state. Great effect on the number of days with frost in soil has depth of snow cover, with an increase in altitude of snow cover, the number of days with frost in soil decreases. This one can see well according to observations in Pavlovsk, where under the nude surface frost at depth 0.8 m is noted almost yearly, while under snow cover it even at depth 0.4 m is less than into 50o/o of summer/years.

Table 5. Dates of the first and last/latter frost on the surface of soil and the duration of frost-free period. The means of date of frosts on the surface of soil are obtained on daily data of minimum thermometer, establish/installated on the nude from plant covering surface of soil. Frost considered in the daytime such day, when on minimum thermometer there were 0° and it is below. As a result of the

short duration of the period of observations above the soil surface temperature, the means of date by the method of differences are given on the dates of frosts in air. The average duration of frost-free period is obtained by the calculation of the number of days between the means of date of last/latter and first frost on the surface of soil. As a rule, frosts on the surface of soil they are ended more lately and appear more earlyly on 5-10 days than frosts in air. Are distributed frosts and the duration of frost-free period on territory in accordance with frosts in air. In separate years the appearance and stopping frost on ground also varies to a considerable degree. The extreme dates of appearance and stopping frosts are not given, since series of observations are very brief (1947-1963).

Table 6. Dates of the first and last/latter frost in soil and the duration of frost-free period. In the table are placed the average, latest and earliest dates of frosts in soil and the duration of frost-free period at different depths. Observational data are used within the limits of period 1891-1963. However, uniform and prolonged series of observations, as on the preceding/previous tables, it is small; therefore data, placed in Table 6, can be utilized only tentatively.

As in the preceding/previous tables, when more than into 50o/o of summer/years of the observations of frosts at given depth it was not observed, was placed sign (*) and the earliest date of last/latter frost and the latest date of the first frost in such cases is not given. With an increase in the depth, the duration of frost-free period is increased. The duration of frost-free period in soil depends also on depth of snow cover, under the nude from snow surface the duration of frost-free period is less. Thus, for instance, in Pavlovsk at depth 0.2 m the duration of frost-free period under natural covering composes 271 days, under that nuded ~~271~~ 214, at depth 0.4 m frost period is not yearly, but under that nuded it is 140 days; more than 100 days it can be even at depth 0.8 m.

Table 7. Average, greatest and smallest depth of penetration of temperature 0° in soil. Data of the tables are acquired on the same stations and for the same years, as data Tables 4 and 6. ^{The depth} ~~of penetration of~~ ~~temperature~~ 0° is calculated according to by daily this way interpolating readings of the thermometers of two adjacent depths, from which on one of them was minus temperature, on another - positive.

For the majority of the stations of the calculation of the depth of penetration of temperature 0° in soil are produced beginning from 0.2 m; therefore depths than less indicated with temperature 0° in

Table 5 are not reflected.

It is necessary to keep in mind that the depth of penetration of temperature 0° into soil does not coincide with the depth of soil freezing, since the freezing of soil depending on salt concentration in soil solution, capillarity, etc. occurs, as a rule, at the temperatures lower than 0° . Because of this in the majority of the cases, the depth of penetration of temperature 0° in soil is more than actual soil freezing. For months in the beginning and end of the

winter when the temperature of soil more than in 50% of winters was above 0° , instead of the average depth of penetration temperature 0° it was placed sign (+).

The depth of penetration of temperature 0° in soil to a considerable degree depends on depth of snow cover: the greater depth of snow cover, the lesser the depth of penetration of temperature 0° in soil. According to observations in Pavlovsk, the difference in the depth of penetration of the minus temperatures in soil under the nude surface more than to 1 m exceeds the same under snow cover and comprises with respect to 136 and 21 cm.

At depth of penetration into the soil of minus temperatures, great effect exerts also the degree of the humidification of soil

before freezing. An increase in the humidity of soil strongly changes its heat capacity and thermal conductivity. Therefore in humid soil the penetration of temperature 0° as a rule is less than in dry.

Table 8. Depth of soil freezing. Soil freezing was determined from the cementation of soil and the presence in it of the crystals of ice by cutting of monoliths or drilling of soil on the specific sections of agricultural fields. The average depth of soil freezing was calculated from data of the stations, having not less than 7 summer/years of observations, and therefore these data can be used only tentatively, which especially one should consider during the utilization of given greatest and smallest depths of freezing.

Data Tables 8 and 7 are not entirely comparable, since soil freezing was determined under the more open field conditions. Furthermore, these tables are comprised on the basis of different observations.

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Table 7 is calculated from daily data, Table 8 is comprised on observational data which to 1957 were conducted monthly from November through March at the end of the third decade, and from 1958 - only two times for the winter: to the third decade of January and

February. Because of this on a series of stations (Yefimovskaya, Belogorka, Nikolayevskaya) soil freezing proved to be more than the penetration of temperature 0° in soil. The depth of freezing as the depth of penetration of temperature 0° in soil, depends on many reasons: from degree of humidity of soil, depth of snow cover, type and composition of soil, area relief. On sections with the convex form of relief, the depth of soil freezing is greater than from concave, since from convex places snow is blown away, and in concave it is detained; therefore there depth of snow cover, as a rule, is more. Furthermore, moisture content in the concave forms of relief is more than in convex.

In recent years soil freezing is determined in essence from the frost-profile gage of Danilin. As a result of the incomparability of given, obtained by cutting monoliths and on the frost-profile gage of Danilin, the materials of observations on the frost-profile gage of Danilin in this table are not used.

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KARELIAN ASSR
КАРЕЛЬСКАЯ АССР

SECTION 1
РАЗДЕЛ 1

ТЕМПЕРАТУРА ВОЗДУХА

AIR TEMPERATURE

Station
No.MEAN MONTHLY AND ANNUAL AIR TEMPERATURE
СРЕДНЯЯ МЕСЯЧНАЯ И ГОДОВАЯ ТЕМПЕРАТУРА ВОЗДУХА

TABLE 1

ТАБЛИЦА 1

Станция No.	Станция Station	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год
1	Черная Река	-122	-123	-88	-19	40	102	139	120	68	06	-49	-90	-01
2	Чула	-115	-114	-77	-09	54	112	147	125	68	04	-50	-91	04
3	Оланга	-120	-122	-83	-17	43	104	146	124	73	11	-46	-92	02
4	Довухи	-120	-122	-86	-19	44	108	144	123	70	06	-50	-89	01
5	Гридино	-103	-108	-73	-14	37	95	137	126	79	19	-32	-71	08
6	Кестеньга	-117	-117	-80	-16	44	109	148	125	73	10	-45	-88	04
7	Софьянга	-127	-128	-90	-20	44	108	145	122	72	09	-49	-94	-01
8	Пальозеро	-115	-119	-82	-16	46	112	148	130	76	11	-46	-86	05
9	Поньгома	-108	-111	-73	-09	44	100	137	125	77	17	-38	-77	07
10	Ухта	-120	-121	-83	-13	53	116	150	128	74	12	-45	-90	05
11	Кемь, порт	-106	-110	-73	-11	41	99	135	127	81	20	-32	-75	08
12	Пальозеро	-118	-119	-80	-08	55	115	148	127	73	12	-44	-90	06
13	Кемь, город	-106	-111	-76	-08	50	109	144	129	78	16	-35	-79	09
14	Подужье	-109	-113	-77	-08	49	110	143	125	76	14	-42	-84	07
15	Юшкозеро	-118	-119	-88	-07	60	120	153	131	77	14	-42	-89	08
16	Жужмуй, остров	-93	-98	-63	-07	39	93	127	126	86	29	-22	-65	13
17	Раз-Наволоок	-107	-111	-72	-10	42	103	138	130	83	20	-33	-76	09
18	Беломорск	-107	-110	-74	-06	53	109	146	131	80	18	-33	-80	11
19	Кимасозеро	-110	-113	-73	-04	56	128	155	130	76	16	-40	-86	11
20	Колезма	-108	-112	-76	-06	50	111	144	130	82	19	-33	-86	10
21	Ругозеро	-112	-114	-71	-03	63	121	152	134	78	13	-40	-88	11
22	Воренжа	-118	-118	-77	-02	58	121	153	136	83	18	-37	-90	10
23	Надпойцы	-112	-112	-73	-04	53	123	157	137	86	20	-34	-80	13
24	Реболы	-116	-118	-77	-05	62	126	160	137	79	17	-39	-88	12
25	Сегежа	-113	-115	-75	00	63	125	158	140	84	19	-34	-83	14
26	Падана	-110	-112	-73	-02	58	120	155	133	84	23	-31	-80	14
27	Масельская	-115	-115	-71	00	66	126	160	136	81	15	-35	-84	14
28	Морская Масельга	-117	-115	-68	04	67	128	159	137	83	19	-36	-87	14
29	Данилово	-122	-117	-76	01	66	127	158	132	79	16	-39	-90	11
30	Медвежьегорск	-116	-114	-73	01	64	127	162	139	84	22	-32	-82	15
31	Кудам-Губа	-118	-116	-75	-01	67	128	159	136	81	17	-40	-87	13

Station

1. Chernaya Reka
2. Chupa
3. Olanga
4. Loukhi
5. Gridino
6. Kesten'ga
7. Sof'yanga
8. Pil'dozero
9. Pon'goma
10. Ukhta
11. Kem' port
12. Panozero
13. Kem' city
14. Poduzhem'ye
15. Yushkozero
16. Zhuzhmuy, island
17. Raz-Navolok
18. Belomorsk
19. Kimasozero
20. Kolezhma
21. Rugozero
22. Vorenzha
23. Nadvoytsy
24. Reboly
25. Segezha
26. Padany
27. Masel'skaya
28. Morskaya Masel'ga
29. Danilovo
30. Medvezh'yegorsk
31. Kudam-Guba

Station
No.

№ станции	Станция Station	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год
32	Повнец	-11.4	-11.6	-7.1	0.4	6.7	13.1	16.2	14.1	8.6	2.5	-2.8	-8.4	17
33	Сопотыро	-11.4	-11.6	-7.3	-0.2	6.4	12.3	15.5	13.2	8.0	1.9	-3.8	-8.5	12
34	Порохыро	-11.7	-11.2	-7.0	0.4	6.6	12.2	15.6	13.7	7.7	1.3	-4.4	-9.4	12
35	Шульга	-11.0	-11.0	-6.9	0.7	7.2	13.3	16.7	14.7	9.4	3.1	-2.2	-7.6	22
36	Кутановолок	-11.6	-11.3	-7.0	0.8	7.0	13.2	16.4	14.3	8.7	1.9	-3.9	-9.0	16
37	Спасская Губа	-10.6	-10.5	-6.6	1.2	7.8	13.3	16.5	14.0	8.1	2.5	-2.8	-8.2	21
38	Вяргиня	-10.4	-10.2	-6.1	1.1	7.8	13.1	16.2	14.0	8.5	2.7	-2.5	-7.5	22
39	Кондрюга	-10.7	-10.5	-6.4	1.1	7.6	13.3	16.9	14.7	9.4	3.2	-2.2	-7.4	24
40	Суоярви	-11.1	-11.0	-6.8	0.5	7.1	12.9	15.8	13.7	8.1	2.2	-3.4	-8.2	17
41	Семяная Губа	-10.4	-10.7	-6.9	0.6	7.2	13.0	16.6	14.9	9.8	3.8	-1.6	-6.4	25
42	Янисъярви	-9.9	-10.1	-5.8	1.0	7.8	13.3	16.3	14.2	8.7	3.0	-2.1	-7.1	24
43	Сунтамо, Леппясуоя	-10.1	-10.2	-6.4	1.3	8.0	13.3	16.0	14.0	8.8	2.8	-2.7	-7.1	23
44	Калменен	-9.6	-10.2	-6.6	0.7	5.8	10.8	15.8	14.8	10.0	3.9	-0.6	-5.8	24
45	Петрозаводск, Сулаж-Гора	-10.6	-10.2	-5.6	1.5	7.3	13.1	15.9	14.1	8.9	2.6	-2.6	-7.8	22
46	Петрозаводск, озеро	-9.8	-10.1	-6.1	1.3	7.3	13.0	16.3	14.3	9.4	3.4	-2.1	-6.6	25
47	Василиево	-10.3	-11.2	-8.3	-0.5	4.0	9.0	15.2	14.7	10.3	4.2	-0.3	-6.0	17
48	Тереболовая	-11.2	-11.1	-7.5	0.8	7.5	13.2	16.8	14.4	9.3	3.1	-2.4	-7.6	21
49	Пудож	-11.3	-11.0	-6.5	1.5	8.2	13.8	16.8	14.4	8.8	2.5	-3.2	-8.5	22
50	Петрозаводск, город	-9.7	-9.8	-5.9	1.2	7.6	13.5	16.6	14.7	9.2	3.3	-2.1	-7.1	26
51	Кольозеро	-12.1	-11.2	-6.9	1.4	7.8	13.6	16.4	13.8	8.4	1.8	-4.0	-9.3	16
52	Сортавала	-9.1	-9.6	-5.8	1.3	8.0	13.5	16.9	15.0	9.5	3.7	-1.4	-6.3	30
53	Пряжа	-10.7	-10.4	-6.0	1.1	7.7	13.1	16.1	14.1	8.8	2.5	-3.0	-8.0	21
54	Ичмаляхти	-9.1	-9.7	-5.8	1.4	7.3	12.8	16.5	14.3	8.9	3.5	-1.4	-6.3	27
55	Найлахта	-10.5	-10.5	-6.4	0.9	7.9	13.1	16.2	14.1	8.8	2.8	-2.6	-7.7	22
56	Валаам	-7.2	-8.3	-5.3	1.3	7.5	12.5	16.4	15.2	10.1	4.6	0.1	-4.1	36
57	Далья	-11.2	-11.1	-7.0	1.2	7.8	13.1	16.0	13.7	8.6	2.5	-3.0	-8.3	19
58	Мансиасари	-8.3	-9.1	-5.8	1.2	6.8	12.0	16.2	15.3	10.0	4.3	-0.5	-5.1	31
59	Ханниласи, маяк	-6.3	-8.1	-5.6	0.3	4.2	8.1	13.2	14.9	10.8	5.5	1.1	-2.8	29
60	Курилоки	-8.4	-9.3	-5.7	1.2	8.1	13.7	16.5	14.7	9.4	3.7	-1.3	-5.9	31
61	Хейюлуото, маяк	-7.8	-9.0	-5.9	0.0	4.5	10.0	14.9	14.7	9.8	4.7	0.1	-4.5	26
62	Хийтола, Хиеккалахти	-8.6	-9.1	-5.2	1.4	7.7	13.0	15.8	14.2	9.2	3.7	-1.3	-5.8	28
63	Видлиа	-10.0	-10.0	-6.8	0.4	7.2	12.4	16.3	14.4	9.2	3.4	-1.6	-6.7	24
64	Андрусово	-9.0	-9.5	-6.0	0.6	7.0	12.7	16.6	15.0	10.0	4.2	-0.9	-5.8	29
65	Олонд	-10.1	-10.2	-6.6	1.1	8.3	13.4	16.5	14.4	9.1	3.2	-2.2	-7.2	25

32. Povenets
33. Sovdozero
34. Porosozero
35. Shun'ga
36. Kuganavolok
37. Spasskaya Guba
38. Vyartsilya
39. Kondopoga
40. Suoyarvi
41. Sennaya Guba
42. Yanis"yarvi
43. Suistamo, Leppyasyur'ya
44. Klimentitsy
45. Petrozavodsk, Sulazh-Gora
46. Petrozavodsk, lake
47. Vasilisin
48. Terebovskaya
49. Pudozh
50. Petrozavodsk, city
51. Kolodozero
52. Sortavala
53. Pryazha
54. Impilakhti
55. Palalakhta
56. Valaam
57. Ladv
58. Mantsinsaari
59. Khankhipaasi, beacon
60. Kurkiyoki
61. Kheynyaluoto, beacon
62. Khiitola, Khiyekkalakhti
63. Vidlitsa
64. Andrusovo
65. Olonets

DIURNAL AIR TEMPERATURE COURSE
СУТОЧНЫЙ ХОД ТЕМПЕРАТУРЫ ВОЗДУХА

TABLE 2
ТАБЛИЦА 2

Часы Hours	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Loukhi 4. Лоухи												
1	-120	-123	-104	-51	13	72	108	94	56	00	-50	-89
2	-121	-129	-106	-53	10	69	104	92	54	-01	-50	-89
3	-122	-129	-108	-55	10	71	105	90	53	-02	-51	-89
4	-122	-132	-109	-55	12	76	110	91	53	-02	-52	-90
5	-122	-130	-111	-55	18	83	118	95	53	-03	-51	-89
6	-121	-129	-112	-50	26	91	127	104	54	-03	-51	-90
7	-121	-129	-112	-39	34	100	136	114	60	-02	-52	-90
8	-120	-127	-105	-28	41	106	144	121	67	00	-51	-90
9	-119	-124	-93	-15	48	113	151	130	74	05	-50	-90
10	-119	-120	-81	-05	56	120	158	137	80	10	-48	-89
11	-116	-113	-71	04	62	126	164	144	86	15	-46	-89
12	-114	-106	-61	11	66	130	168	148	90	18	-43	-88
13	-114	-104	-55	15	71	134	172	152	93	21	-42	-88
14	-114	-100	-53	16	72	135	174	152	93	22	-44	-88
15	-116	-101	-52	17	73	136	175	153	93	21	-45	-88
16	-118	-106	-54	16	73	136	175	153	91	18	-47	-88
17	-119	-114	-59	13	71	134	173	151	88	13	-49	-89
18	-120	-120	-68	08	67	131	169	147	81	09	-49	-89
19	-121	-123	-79	00	62	126	164	140	72	07	-50	-88
20	-122	-126	-87	-11	55	120	156	128	65	04	-51	-89
21	-122	-128	-92	-22	45	112	146	116	61	02	-52	-89
22	-122	-129	-96	-31	34	101	134	106	59	01	-52	-89
23	-121	-129	-99	-37	26	89	123	100	56	00	-53	-89
24	-121	-128	-102	-44	18	79	113	97	56	00	-51	-89
Mean for 24 hrs Средняя за 24 часа	-119	-121	-86	-19	44	108	144	123	70	06	-49	-89
Суточная амплитуда Diurnal amplitude	08	32	60	72	63	67	71	63	40	25	11	02

Часы Hours	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Ukhta 10. Ухта												
1	-122	-130	-104	-45	20	76	112	97	57	05	-46	-89
2	-123	-130	-107	-49	18	72	107	93	56	04	-47	-90
3	-123	-130	-111	-52	14	72	105	91	54	03	-47	-90
4	-122	-131	-114	-54	16	78	111	90	53	02	-47	-90
5	-122	-132	-116	-54	24	88	120	93	52	02	-47	-91
6	-121	-133	-118	-49	32	97	130	103	53	01	-47	-91
7	-121	-133	-117	-37	41	106	141	116	59	02	-47	-90
8	-120	-133	-109	-25	49	115	148	126	67	04	-47	-90
9	-120	-130	-96	-14	57	123	157	134	76	10	-46	-90
10	-120	-123	-83	-02	65	130	165	143	84	15	-45	-90
11	-118	-115	-70	07	71	136	172	150	91	20	-42	-89
12	-115	-107	-58	15	77	141	177	156	96	25	-38	-88
13	-112	-102	-48	21	81	144	180	160	101	28	-37	-87
14	-114	-101	-45	22	82	145	181	161	101	29	-37	-88
15	-115	-101	-43	23	84	145	183	162	102	28	-39	-90
16	-117	-104	-44	22	82	144	183	162	100	25	-42	-90
17	-119	-110	-48	20	81	144	181	159	97	20	-45	-91
18	-120	-115	-57	15	78	140	177	154	89	16	-46	-91
19	-120	-118	-67	08	73	137	172	147	79	13	-47	-90
20	-121	-121	-76	-03	64	130	165	134	71	10	-48	-90
21	-121	-123	-83	-14	54	121	153	122	66	08	-49	-89
22	-121	-125	-89	-23	43	108	140	112	62	06	-49	-89
23	-122	-127	-94	-30	34	95	128	105	60	05	-48	-89
24	-122	-129	-99	-37	26	84	119	100	59	04	-47	-89
Mean for 24 hours Средняя за 24 часа	-120	-121	-83	-14	53	115	150	128	74	12	-45	-89
Суточная амплитуда Diurnal amplitude	11	32	75	77	70	73	78	72	50	28	12	04

Часы Hours	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Kem', port II. Кемь, порт												
1	-10.7	-11.4	-8.5	-2.7	2.3	7.9	11.6	11.0	6.9	1.5	-3.3	-7.5
2	-10.7	-11.6	-8.8	-3.0	2.1	7.6	11.4	10.8	6.7	1.4	-3.3	-7.6
3	-10.7	-11.6	-9.0	-3.2	1.9	7.5	11.2	10.5	6.6	1.3	-3.4	-7.6
4	-10.7	-11.7	-9.1	-3.4	2.0	7.7	11.4	10.4	6.5	1.2	-3.4	-7.7
5	-10.7	-11.8	-9.3	-3.5	2.4	8.3	11.9	10.5	6.4	1.1	-3.5	-7.7
6	-10.7	-11.8	-9.4	-3.2	3.1	8.9	12.6	11.1	6.4	1.1	-3.4	-7.7
7	-10.6	-11.8	-9.4	-2.5	3.8	9.6	13.2	11.9	6.8	1.1	-3.4	-7.6
8	-10.6	-11.8	-8.9	-1.7	4.4	10.1	13.7	12.6	7.4	1.2	-3.4	-7.6
9	-10.6	-11.6	-8.1	-0.9	4.9	10.6	14.2	13.3	8.1	1.7	-3.4	-7.6
10	-10.5	-11.2	-7.2	-0.2	5.3	10.8	14.5	13.7	8.8	2.2	-3.3	-7.6
11	-10.4	-10.7	-6.3	0.4	5.5	11.1	14.8	14.1	9.4	2.7	-3.0	-7.5
12	-10.3	-10.3	-5.6	0.8	5.7	11.4	15.0	14.3	9.8	3.1	-2.9	-7.4
13	-10.2	-9.9	-5.0	1.1	5.9	11.6	15.2	14.5	10.1	3.3	-2.8	-7.3
14	-10.2	-9.8	-4.8	1.1	5.8	11.5	15.1	14.5	10.1	3.4	-2.8	-7.3
15	-10.4	-9.7	-4.7	1.2	5.8	11.5	15.1	14.5	10.1	3.3	-2.9	-7.3
16	-10.5	-10.0	-4.9	1.1	5.7	11.4	15.0	14.4	10.0	3.1	-3.0	-7.3
17	-10.6	-10.3	-5.3	0.8	5.5	11.3	14.8	14.2	9.7	2.7	-3.1	-7.4
18	-10.7	-10.5	-5.9	0.5	5.2	11.1	14.6	13.9	9.2	2.3	-3.2	-7.4
19	-10.7	-10.7	-6.6	-0.1	4.9	10.8	14.3	13.5	8.6	2.1	-3.3	-7.5
20	-10.7	-10.9	-7.0	-0.8	4.4	10.5	14.0	13.0	8.2	1.9	-3.3	-7.5
21	-10.8	-11.0	-7.4	-1.3	3.9	9.9	13.4	12.4	7.8	1.8	-3.3	-7.5
22	-10.8	-11.1	-7.6	-1.7	3.4	9.3	12.9	12.0	7.5	1.6	-3.4	-7.5
23	-10.8	-11.2	-7.9	-2.0	3.0	8.8	12.5	11.6	7.2	1.5	-3.4	-7.5
24	-10.8	-11.3	-8.2	-2.4	2.6	8.2	12.0	11.3	7.1	1.5	-3.3	-7.5
Mean for 24 hours Средняя за 24 часа	-10.6	-11.0	-7.3	-1.1	4.1	9.9	13.5	12.7	8.1	2.0	-3.2	-7.5
Суточная амплитуда Diurnal amplitude	0.6	2.1	4.7	4.7	4.0	4.1	4.0	4.1	3.7	2.3	0.7	0.4

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Часы Hours	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Kolezhma 20. Колежма												
1	-11.1	-11.9	-9.2	-2.9	2.0	7.8	11.1	10.1	6.7	1.3	-3.5	-8.1
2	-11.0	-11.9	-9.4	-3.1	1.9	7.6	10.9	10.0	6.6	1.3	-3.6	-8.1
3	-11.0	-12.0	-9.6	-3.3	1.8	7.7	10.9	9.9	6.5	1.2	-3.7	-8.1
4	-11.0	-12.0	-9.7	-3.3	2.0	8.3	11.3	9.9	6.5	1.1	-3.7	-8.1
5	-11.0	-12.0	-9.9	-3.4	2.6	9.3	12.2	10.1	6.5	1.1	-3.7	-8.2
6	-11.0	-11.9	-10.0	-3.0	3.6	10.2	13.3	11.1	6.5	1.1	-3.7	-8.1
7	-10.9	-11.8	-9.9	-2.1	4.6	11.1	14.4	12.4	6.9	1.0	-3.7	-8.1
8	-10.9	-11.7	-9.3	-1.2	5.3	11.7	14.8	13.3	7.8	1.3	-3.6	-8.1
9	-11.0	-11.5	-8.3	-0.3	5.7	12.2	15.3	14.1	8.6	1.8	-3.5	-8.1
10	-10.9	-11.1	-7.2	0.5	6.2	12.6	15.8	14.7	9.2	2.3	-3.3	-8.1
11	-10.9	-10.6	-6.3	1.0	6.5	12.9	16.1	15.1	9.7	2.8	-3.0	-8.0
12	-10.7	-10.1	-5.4	1.5	6.9	13.2	16.4	15.5	10.1	3.2	-2.8	-7.9
13	-10.7	-9.8	-4.6	1.9	7.2	13.4	16.7	15.7	10.4	3.5	-2.7	-7.9
14	-10.6	-9.6	-4.6	2.0	7.3	13.4	16.8	15.6	10.4	3.4	-2.7	-7.9
15	-11.0	-9.7	-4.7	1.9	7.2	13.3	16.8	15.5	10.3	3.3	-2.8	-8.0
16	-11.1	-10.1	-4.9	1.7	7.1	13.2	16.7	15.3	10.0	2.9	-3.0	-8.1
17	-11.3	-10.5	-5.3	1.5	6.9	13.1	16.5	15.0	9.7	2.5	-3.1	-8.2
18	-11.3	-11.0	-6.0	1.1	6.7	12.9	16.3	14.7	9.1	2.1	-3.2	-8.2
19	-11.3	-11.3	-6.9	0.5	6.2	12.6	15.9	14.1	8.3	1.9	-3.3	-8.2
20	-11.3	-11.4	-7.4	-0.3	5.5	11.9	15.3	13.2	7.7	1.7	-3.4	-8.1
21	-11.1	-11.5	-8.0	-0.9	4.7	11.2	14.4	12.2	7.3	1.5	-3.5	-8.1
22	-11.1	-11.6	-8.4	-1.5	3.9	10.1	13.4	11.5	7.0	1.4	-3.6	-8.1
23	-11.1	-11.7	-8.7	-2.0	3.2	9.2	12.5	10.9	6.8	1.3	-3.7	-8.1
24	-11.1	-11.8	-9.0	-2.4	2.5	8.4	11.7	10.5	6.8	1.3	-3.7	-8.1
Mean for 24 hours												
Средняя за 24 часа	-11.0	-11.2	-7.6	-0.7	4.9	11.1	14.4	12.9	8.1	1.9	-3.4	-8.1
Суточная амплитуда												
Diurnal amplitude	0.7	2.4	5.4	5.4	5.5	5.8	5.9	5.8	3.9	2.5	1.0	0.3

Diurnal amplitude

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Часы Hours	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Medvezh'yegorsk 30. Медвежьегорск												
1	-11.7	-12.1	-9.1	-2.5	3.3	9.3	13.1	11.3	7.0	1.6	-3.5	-8.2
2	-11.9	-12.2	-9.4	-2.9	3.0	8.9	12.7	11.0	6.8	1.5	-3.5	-8.2
3	-12.0	-12.3	-9.7	-3.2	2.6	8.6	12.4	10.7	6.8	1.5	-3.4	-8.2
4	-12.0	-12.4	-10.0	-3.4	2.6	8.8	12.5	10.6	6.7	1.4	-3.4	-8.2
5	-12.0	-12.4	-10.4	-3.5	3.1	9.6	13.1	10.7	6.6	1.4	-3.5	-8.2
6	-11.9	-12.5	-10.5	-3.1	4.1	10.6	14.1	11.4	6.6	1.3	-3.4	-8.3
7	-11.8	-12.4	-10.4	-2.2	5.1	11.6	15.2	12.6	6.9	1.3	-3.4	-8.3
8	-11.8	-12.4	-9.7	-1.1	6.0	12.3	16.0	13.6	7.6	1.4	-3.3	-8.3
9	-11.8	-12.0	-8.5	0.0	6.7	13.1	16.7	14.5	8.4	1.8	-3.2	-8.3
10	-11.7	-11.4	-7.1	0.9	7.6	13.9	17.5	15.3	9.2	2.4	-3.0	-8.2
11	-11.4	-10.8	-5.8	1.8	8.2	14.6	18.1	16.1	9.9	2.9	-2.8	-8.1
12	-11.1	-10.2	-5.0	2.5	8.8	15.1	18.6	16.6	10.5	3.3	-2.5	-7.8
13	-10.9	-9.8	-4.3	3.1	9.3	15.5	19.0	16.9	10.8	3.6	-2.3	-7.7
14	-10.9	-9.7	-3.9	3.3	9.4	15.6	19.0	17.0	10.9	3.6	-2.3	-7.8
15	-11.0	-9.7	-3.8	3.4	9.6	15.5	19.0	16.9	10.9	3.5	-2.5	-7.9
16	-11.2	-9.9	-3.8	3.4	9.5	15.5	19.0	16.8	10.8	3.3	-2.7	-8.0
17	-11.4	-10.3	-4.1	3.2	9.3	15.4	19.0	16.6	10.5	3.0	-2.9	-8.1
18	-11.4	-10.8	-4.9	2.8	9.1	15.1	18.8	16.2	9.9	2.6	-3.1	-8.2
19	-11.4	-11.2	-5.8	2.0	8.6	14.8	18.2	15.6	9.0	2.3	-3.2	-8.2
20	-11.5	-11.5	-6.5	1.1	7.8	14.1	17.6	14.7	8.2	2.0	-3.3	-8.3
21	-11.6	-11.7	-7.3	0.2	6.8	13.3	16.6	13.5	7.9	1.9	-3.4	-8.4
22	-11.7	-11.9	-7.9	-0.5	5.7	12.0	15.4	12.7	7.5	1.8	-3.4	-8.4
23	-11.7	-11.9	-8.4	-1.1	4.8	11.0	14.5	12.1	7.3	1.6	-3.5	-8.3
24	-11.6	-12.1	-8.7	-1.8	4.0	10.0	13.7	11.7	7.1	1.5	-3.5	-8.3
Mean for 24 hours Средняя за 24 часа	-11.6	-11.4	-7.3	0.1	6.4	12.7	16.2	13.9	8.5	2.2	-3.1	8.2
Суточная амплитуда Diurnal amplitude	11	28	6.7	6.9	7.0	7.0	6.6	6.4	4.3	2.3	1.2	0.7

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Часы Hours	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Vyartsilya 35. Вяртсилья												
1	-105	-110	-83	-18	39	91	125	111	66	21	-28	-75
2	-105	-112	-87	-21	35	87	122	108	65	20	-28	-76
3	-106	-113	-91	-25	32	86	119	106	63	19	-28	-76
4	-106	-114	-94	-27	33	89	121	104	62	18	-29	-77
5	-107	-115	-97	-29	39	98	129	106	62	17	-29	-77
6	-107	-116	-99	-24	50	110	141	114	63	17	-29	-77
7	-107	-116	-98	-14	64	123	154	126	68	17	-28	-77
8	-108	-115	-89	-01	76	133	164	138	77	19	-28	-77
9	-108	-113	-75	12	86	142	173	150	88	24	-27	-77
10	-106	-107	-59	24	94	148	181	160	98	29	-24	-76
11	-103	-98	-46	33	102	153	187	167	105	35	-21	-74
12	-100	-90	-35	40	107	157	191	172	111	39	-19	-72
13	-97	-84	-27	45	112	161	195	175	115	42	-17	-71
14	-96	-82	-25	45	113	162	194	174	114	42	-18	-72
15	-97	-81	-23	46	114	163	195	174	114	41	-19	-73
16	-99	-84	-23	45	114	163	194	173	112	38	-22	-74
17	-101	-89	-27	44	112	161	191	170	108	35	-24	-75
18	-103	-94	-35	39	108	157	188	164	100	31	-26	-76
19	-103	-97	-45	31	102	153	183	156	91	28	-27	-76
20	-104	-99	-53	18	92	144	174	143	83	26	-28	-76
21	-104	-102	-61	07	77	132	160	132	77	25	-28	-77
22	-104	-104	-66	00	64	117	147	124	73	23	-28	-77
23	-105	-106	-72	-06	54	107	138	119	70	22	-29	-77
24	-105	-108	-77	-11	47	99	131	114	68	22	-28	-76
Mean for 24 hours Средний за 24 часа	-104	-102	-62	10	78	131	163	141	86	27	-26	-75
Суточная амплитуда Diurnal amplitude	12	35	76	75	82	77	76	71	53	25	12	66

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Часы Hours	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Petrozavodsk, Sulazh-Gora 45. Петрозаводск, Сулаж-Гора												
1	-10.8	-10.5	-6.9	-0.4	4.8	10.2	13.1	11.8	7.6	2.2	-2.8	-7.8
2	-10.9	-10.6	-7.1	-0.7	4.5	9.8	12.8	11.6	7.5	2.1	-2.9	-7.7
3	-10.9	-10.8	-7.4	-1.0	4.2	9.6	12.6	11.5	7.4	2.0	-3.0	-7.8
4	-10.9	-10.9	-7.6	-1.2	4.1	9.9	12.7	11.3	7.3	1.9	-3.0	-7.8
5	-11.0	-11.0	-7.8	-1.4	4.5	10.6	13.3	11.3	7.2	1.8	-3.0	-7.8
6	-10.9	-11.1	-8.0	-1.0	5.3	11.5	14.2	12.0	7.2	1.7	-3.0	-7.9
7	-10.9	-11.1	-7.9	-0.3	6.2	12.4	15.2	13.1	7.6	1.6	-2.9	-8.0
8	-10.9	-11.1	-7.5	0.6	7.0	13.1	16.0	14.0	8.2	1.8	-3.0	-8.0
9	-10.9	-10.9	-6.6	1.4	7.7	13.8	16.8	14.8	9.0	2.3	-2.9	-8.0
10	-10.7	-10.4	-5.6	2.2	8.3	14.5	17.4	15.5	9.7	2.8	-2.6	-8.0
11	-10.5	-9.9	-4.8	2.9	8.9	14.9	17.9	16.1	10.3	3.3	-2.3	-7.8
12	-10.2	-9.4	-4.0	3.4	9.3	15.2	18.3	16.4	10.8	3.7	-2.1	-7.6
13	-10.1	-9.0	-3.4	3.9	9.9	15.5	18.6	16.7	11.1	3.9	-2.0	-7.6
14	-10.0	-8.8	-3.1	4.1	10.0	15.6	18.6	16.8	11.1	4.0	-1.9	-7.5
15	-10.1	-8.8	-3.0	4.1	10.1	15.7	18.7	16.8	11.0	3.8	-2.1	-7.6
16	-10.3	-8.9	-3.0	4.1	10.0	15.6	18.5	16.7	10.9	3.6	-2.2	-7.7
17	-10.4	-9.2	-3.3	3.9	9.8	15.5	18.5	16.5	10.4	3.2	-2.4	-7.8
18	-10.5	-9.4	-4.0	3.4	9.4	15.1	18.0	16.0	9.8	2.8	-2.6	-7.8
19	-10.6	-9.6	-4.7	2.7	8.8	14.7	17.6	15.3	8.9	2.6	-2.6	-7.9
20	-10.6	-9.7	-5.2	1.9	8.1	13.9	16.7	13.9	8.3	2.4	-2.7	-7.9
21	-10.7	-9.9	-5.5	1.4	7.1	13.0	15.5	13.1	8.1	2.3	-2.7	-7.9
22	-10.7	-10.0	-5.8	0.9	6.4	11.9	14.6	12.6	7.9	2.3	-2.8	-7.9
23	-10.8	-10.2	-6.1	0.6	5.9	11.2	14.0	12.2	7.7	2.2	-3.1	-7.8
24	-10.8	-10.2	-6.5	0.1	5.3	10.7	13.6	12.1	7.6	2.2	-3.0	-7.9
Mean for 24 hours Среднее за 24 часа	-10.6	-10.1	-5.6	1.5	7.3	13.1	16.0	14.1	8.8	2.6	-2.7	-7.8
Суточная амплитуда Diurnal amplitude	10	23	50	55	60	61	61	55	39	24	12	05

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① Часы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
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49. Пудож

1	-11.6	-11.7	-8.4	-1.0	5.0	10.2	13.5	11.6	7.1	1.8	-3.3	-8.5
2	-11.7	-11.8	-8.9	-1.4	4.7	9.8	13.1	11.3	7.0	1.7	-3.4	-8.5
3	-11.7	-11.8	-9.3	-1.7	4.3	9.5	12.8	11.0	6.8	1.7	-3.5	-8.5
4	-11.7	-11.8	-9.6	-2.0	4.3	9.6	12.8	10.8	6.7	1.6	-3.5	-8.5
5	-11.8	-11.9	-9.9	-2.3	4.7	10.2	13.2	10.8	6.7	1.5	-3.6	-8.6
6	-11.7	-12.0	-10.1	-2.1	5.5	11.2	14.2	11.4	6.7	1.5	-3.6	-8.6
7	-11.7	-12.0	-10.1	-1.3	6.6	12.5	15.5	12.6	7.2	1.4	-3.7	-8.7
8	-11.7	-12.0	-9.4	-0.2	7.6	13.5	16.6	13.7	7.9	1.6	-3.7	-8.9
9	-11.7	-11.7	-8.3	1.1	8.6	14.5	17.6	14.9	8.8	2.1	-3.6	-8.9
10	-11.5	-11.4	-6.8	2.4	9.5	15.2	18.5	15.9	9.6	2.7	-3.4	-8.8
11	-11.3	-10.8	-5.3	3.3	10.2	15.9	19.2	16.8	10.4	3.1	-2.9	-8.6
12	-11.0	-10.1	-4.1	4.0	10.8	16.4	19.7	17.3	10.9	3.7	-2.6	-8.3
13	-10.6	-9.6	-3.1	4.6	11.3	16.8	20.3	17.7	11.3	4.1	-2.3	-8.0
14	-10.5	-9.4	-2.8	4.7	11.4	17.0	20.2	17.8	11.4	4.1	-2.4	-8.1
15	-10.5	-9.4	-2.7	4.8	11.5	17.1	20.2	17.9	11.4	4.1	-2.5	-8.1
16	-10.8	-9.5	-2.7	4.8	11.4	17.0	20.1	17.8	11.2	3.8	-2.7	-8.2
17	-10.9	-9.8	-3.1	4.6	11.3	16.9	19.9	17.5	10.8	3.4	-2.9	-8.3
18	-11.0	-10.2	-3.9	4.2	11.0	16.6	19.4	16.9	10.1	2.9	-3.0	-8.3
19	-11.2	-10.4	-4.8	3.5	10.4	16.0	18.8	16.0	9.2	2.6	-3.1	-8.3
20	-11.3	-10.6	-5.6	2.5	9.5	15.1	17.9	14.8	8.6	2.4	-3.2	-8.4
21	-11.4	-10.8	-6.2	1.7	8.3	13.9	16.6	13.8	8.1	2.2	-3.2	-8.4
22	-11.5	-11.0	-6.7	0.9	7.3	12.7	15.5	13.1	7.7	2.0	-3.4	-8.5
23	-11.6	-11.1	-7.3	0.4	6.4	11.8	14.7	12.5	7.4	1.9	-3.4	-8.5
24	-11.6	-11.4	-7.9	-0.3	5.7	11.0	14.1	12.0	7.3	1.9	-3.4	-8.5
③ Средняя за 24 часа	-11.3	-10.9	-6.5	1.5	8.2	13.8	16.8	14.4	8.8	2.5	-3.2	-8.5
④ Суточная амплитуда	1.3	2.6	7.4	7.1	7.2	7.6	7.5	7.1	4.7	2.7	1.4	0.9

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① Часы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
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(13)

65. Олонец

1	-10.3	-10.7	-8.7	-1.6	4.6	9.2	12.7	11.1	7.2	2.5	-2.4	-7.1
2	-10.3	-10.8	-9.0	-1.8	4.3	8.9	12.4	10.9	7.0	2.4	-2.5	-7.0
3	-10.3	-10.9	-9.4	-2.0	4.1	8.7	12.1	10.7	6.9	2.3	-2.6	-7.1
4	-10.3	-11.2	-9.7	-2.1	4.2	9.0	12.2	10.6	6.9	2.2	-2.6	-7.2
5	-10.3	-11.3	-10.0	-2.2	4.6	10.0	13.0	10.7	6.8	2.2	-2.6	-7.2
6	-10.3	-11.5	-10.0	-1.9	5.8	11.5	14.3	11.6	6.9	2.2	-2.7	-7.2
7	-10.4	-11.6	-10.0	-1.1	7.1	12.9	15.8	13.0	7.4	2.2	-2.7	-7.3
8	-10.2	-11.4	-9.3	-0.1	8.2	13.8	16.7	14.2	8.3	2.5	-2.6	-7.3
9	-10.1	-11.2	-7.8	1.1	9.2	14.6	17.7	15.3	8.9	2.9	-2.5	-7.3
10	-10.0	-10.6	-6.2	2.3	10.0	15.2	18.5	16.3	10.3	3.5	-2.1	-7.2
11	-9.8	-10.1	-4.8	3.2	10.7	16.0	19.1	17.0	11.1	4.0	-1.7	-7.2
12	-9.5	-9.4	-3.6	3.9	11.2	16.4	19.6	17.4	11.6	4.5	-1.4	-7.0
13	-9.3	-8.8	-2.6	4.4	11.6	16.8	19.9	17.9	12.0	4.8	-1.2	-6.8
14	-9.3	-8.7	-2.4	4.4	11.6	16.8	19.8	17.8	11.9	4.8	-1.2	-6.9
15	-9.4	-8.7	-2.3	4.4	11.6	16.8	19.7	17.8	11.8	4.6	-1.3	-7.0
16	-9.7	-8.7	-2.5	4.3	11.5	16.7	19.6	17.7	11.6	4.4	-1.5	-7.1
17	-9.9	-9.0	-2.9	4.1	11.3	16.5	19.4	17.5	11.3	4.0	-1.8	-7.2
18	-10.1	-9.4	-3.8	3.5	10.8	16.2	19.0	16.9	10.5	3.6	-2.1	-7.3
19	-10.3	-9.7	-4.9	2.6	10.2	15.6	18.4	15.9	9.5	3.3	-2.1	-7.2
20	-10.4	-9.9	-5.7	1.6	9.1	14.6	17.4	14.6	8.8	3.1	-2.2	-7.2
21	-10.3	-10.1	-6.6	0.8	7.9	13.1	16.1	13.4	8.3	2.9	-2.3	-7.2
22	-10.3	-10.2	-7.3	0.1	6.8	11.9	14.9	12.5	7.9	2.7	-2.4	-7.3
23	-10.3	-10.4	-7.8	-0.4	6.0	10.9	14.0	11.9	7.6	2.6	-2.5	-7.3
24	-10.3	-10.6	-8.2	-0.9	5.2	10.1	13.3	11.5	7.4	2.6	-2.5	-7.1

③

Средняя за 24 часа -10.0 -10.2 -6.5 1.1 8.2 13.4 16.5 14.3 9.1 3.2 -2.1 -7.2

④

Суточная амплитуда 1.1 2.9 7.7 6.6 7.5 8.1 7.8 7.3 5.2 2.6 1.5 0.5

TABLE 3

MEAN DIURNAL AMPLITUDE OF AIR TEMPERATURE
WITH CLEAR, SEMICLEAR, AND GREY SKY AND
INDEPENDENT OF SKY'S CONDITION (ACCORDING
TO CHARACTERISTIC OF LOWER CLOUD COVER

ТАБЛИЦА 3

СРЕДНЯЯ СУТОЧНАЯ АМПЛИТУДА ТЕМПЕРАТУРЫ ВОЗДУХА
ПРИ ЯСНОМ, ПОЛУЯСНОМ И ПАСМУРНОМ НЕБЕ И ВНЕ ЗАВИСИМОСТИ
ОТ СОСТОЯНИЯ НЕБА (ПО ХАРАКТЕРИСТИКЕ НИЖНЕЙ ОБЛАЧНОСТИ)

Состояние неба Condition of sky	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
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Ukhta
10. Ухта

(1) Ясно Clear	118	126	161	148	151	145	146	152	121	94	102	106
(2) Полуясно Semiclear	101	94	109	92	104	105	108	105	83	64	74	96
(3) Пасмурно Gray	57	48	53	47	60	65	59	54	50	36	39	47
(4) Вне зависимости от состояния неба	86	86	110	101	106	106	110	109	79	55	56	70
Independent of sky's condition												

Kem' port
11. Кемь, порт

(1) Ясно	78	84	106	102	97	93	88	94	85	69	59	72
(2) Полуясно	79	74	82	70	78	82	72	73	64	52	56	72
(3) Пасмурно	54	49	50	45	48	54	49	42	38	36	37	44
(4) Вне зависимости от состояния неба	71	69	83	76	76	81	75	74	61	48	47	60

Zhuzhmuy, island
16. Жужмуй, остров

(1) Ясно	54	51	65	69	82	85	79	72	56	41	42	39
(2) Полуясно	55	52	54	54	66	76	68	58	44	37	38	50
(3) Пасмурно	44	47	42	40	48	50	45	37	33	30	33	34
(4) Вне зависимости от состояния неба	51	50	55	57	67	75	69	59	43	34	36	41

Medvezh'yegorsk
30. Медвежьегорск

(1) Ясно	91	100	138	128	138	135	136	136	108	76	68	84
(2) Полуясно	85	80	97	86	103	105	101	92	74	58	62	75
(3) Пасмурно	51	54	54	44	63	68	64	54	46	38	36	45
(4) Вне зависимости от состояния неба	70	73	96	90	103	105	104	97	70	51	46	58

Sortavala
52. Сортавала

(1) Ясно	81	99	133	128	131	122	119	123	110	81	61	76
(2) Полуясно	86	90	109	82	95	98	92	87	78	60	59	79
(3) Пасмурно	56	50	51	45	61	67	58	52	48	43	36	41
(4) Вне зависимости от состояния неба	70	76	104	85	100	100	97	91	73	54	45	55

RECURRENCE (%) OF AIR TEMPERATURE
DIURNAL AMPLITUDE WITHIN VARIOUS LIMITS
(INDEPENDENT OF SKY'S CONDITION)
ТАБЛИЦА 3а
ПОВТОРЯЕМОСТЬ (%) СУТОЧНОЙ АМПЛИТУДЫ ТЕМПЕРАТУРЫ ВОЗДУХА
В РАЗЛИЧНЫХ ПРЕДЕЛАХ (ВНЕ ЗАВИСИМОСТИ ОТ СОСТОЯНИЯ НЕБА)

Амплитуда Amplitude		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от From	до To												
Ukhta 10. Ухта													
0.0	0.9	0.2	0.8								0.2	0.7	0.3
1.0	3.9	19.1	20.3	11.7	10.2	4.6	1.9	2.9	3.6	17.1	38.8	43.6	34.2
4.0	6.9	25.2	25.9	21.5	26.3	17.6	16.3	16.1	19.2	31.7	34.4	28.2	24.4
7.0	9.9	22.0	16.5	17.8	21.0	26.9	29.5	23.6	25.4	24.7	15.8	12.9	17.9
10.0	12.9	13.4	15.3	13.5	14.9	20.3	25.9	25.2	17.6	14.8	8.1	8.5	10.2
13.0	15.9	10.4	10.7	12.8	11.0	14.9	16.5	19.4	17.9	8.3	2.4	3.6	5.8
16.0	18.9	4.5	6.7	7.8	8.2	11.5	8.1	10.7	13.4	3.2	0.3	1.4	3.1
19.0	21.9	3.6	2.6	6.7	4.7	4.0	1.6	1.9	2.9	0.2		1.1	3.9
22.0	24.9	1.4	1.0	5.3	2.8	0.2	0.2	0.2					
25.0	27.9		0.2	2.0	0.9								0.2
> 28.0		0.2		0.9									
Наибольшая Greatest		29.2	27.8	29.7	27.1	24.1	22.4	22.0	21.2	19.3	16.6	21.5	27.9
Наименьшая Least		0.8	0.9	1.4	1.4	1.8	2.3	2.0	2.2	1.1	0.7	0.8	0.5
Kem', port 11. Кемь, порт													
0.0	0.9		0.1	0.1		0.1						0.1	0.4
1.0	3.9	21.0	20.2	13.7	15.4	16.4	10.0	10.4	15.8	25.4	42.3	47.8	34.7
4.0	6.9	35.6	35.6	27.8	32.6	31.4	32.5	38.4	33.8	37.4	40.1	34.0	31.1
7.0	9.9	23.5	27.2	27.9	27.4	27.0	30.2	30.1	28.4	27.6	15.1	12.3	18.7
10.0	12.9	12.3	11.7	16.1	17.4	15.2	17.8	15.3	16.8	8.7	2.1	4.4	11.4
13.0	15.9	4.5	4.0	10.1	5.3	8.1	7.0	4.7	4.4	0.9	0.4	1.3	3.0
16.0	18.9	2.1	1.1	2.7	1.6	1.4	2.1	1.0	0.8			0.1	0.5
19.0	21.9	0.6		1.3	0.3	0.4	0.4	0.1					0.1
22.0	24.9	0.3	0.1	0.3									0.1
25.0	27.9	0.1											
Наибольшая Greatest		25.3	23.3	23.8	19.2	20.2	20.5	20.0	18.4	14.0	13.6	16.5	22.0
Наименьшая Least		1.1	0.5	0.8	1.4	0.9	1.4	1.8	1.3	1.3	1.4	0.8	0.7
Zhuzhmuy, island 16. Жужмуй, остров													
0.0	0.9	0.1	0.5	0.1	0.1	0.1	0.4				1.0	1.5	1.3
1.0	3.9	38.5	37.6	29.0	27.0	20.9	16.4	20.4	24.0	48.6	69.0	68.0	55.9
4.0	6.9	42.7	46.5	47.0	45.2	34.2	28.4	34.2	43.8	43.4	28.2	26.6	31.8
7.0	9.9	13.5	11.3	19.6	23.2	27.5	32.5	29.3	27.7	7.6	21.5	3.5	9.6
10.0	12.9	4.0	3.4	3.5	4.1	13.7	17.1	12.6	3.4	0.4	0.3	0.4	1.2
13.0	15.9	1.0	0.5	0.7	0.4	3.2	4.4	2.8	1.1				0.1
16.0	18.9	0.1	0.2	0.1		0.4	0.7	0.5					
19.0	21.9	0.1					0.1						
22.0	24.9							0.1					
> 28.0								0.1					0.1
Наибольшая Greatest		19.0	17.8	18.2	15.5	17.0	20.7	41.3	15.2	12.0	11.0	11.7	30.5
Наименьшая Least		0.9	0.9	0.8	0.7	0.9	0.0	1.4	1.0	1.0	0.8	0.4	0.4

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Amplitude		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от	до												
From	To												

30. Медвежьегорск

0.0	0.9	0.2	0.2							0.2	0.3	0.2	0.9
1.0	3.9	24.7	23.8	12.9	14.1	5.4	3.8	2.0	5.2	16.6	40.9	50.6	38.4
4.0	6.9	32.8	28.7	23.5	23.5	17.9	10.8	17.3	23.2	37.6	35.3	31.1	29.5
7.0	9.9	21.0	23.0	22.6	24.0	26.3	31.6	31.0	28.5	25.9	17.8	12.5	16.6
10.0	12.9	12.0	12.8	16.6	18.0	23.7	26.7	22.8	19.7	14.7	5.0	4.0	8.6
13.0	15.9	4.8	7.8	10.9	12.6	17.3	19.4	19.6	14.8	4.2	0.6	1.4	3.5
16.0	18.9	3.5	2.3	6.8	6.0	7.5	7.0	7.0	7.9	0.6	0.1	0.2	1.6
19.0	21.9	0.5	1.1	5.2	1.5	1.9	0.7	0.3	0.6	0.2			0.7
22.0	24.9	0.5	0.3	1.5	0.3				0.1				0.2

Greatest	Наибольшая	22.2	24.2	24.7	23.8	21.5	21.4	20.0	22.4	19.0	16.8	16.1	22.9
Least	Наименьшая	0.6	0.9	1.0	1.4	1.8	1.8	1.2	1.7	0.9	0.8	0.8	0.4

52. Сортавала

0.0	0.9	0.2	0.5								0.2		0.4
1.0	3.9	26.4	21.7	12.2	15.6	4.0	1.7	2.6	7.9	15.6	32.6	51.5	43.4
4.0	6.9	32.4	30.7	21.6	27.8	16.9	15.0	18.0	27.0	36.7	43.7	33.1	27.1
7.0	9.9	18.8	20.3	18.0	22.7	31.3	32.4	30.8	23.8	23.3	16.7	11.5	16.6
10.0	12.9	12.9	13.7	17.4	14.4	26.9	33.6	33.9	21.0	19.0	6.0	3.1	6.5
13.0	15.9	5.2	8.0	13.4	12.1	13.9	14.6	12.1	16.9	5.0	0.4	0.6	3.8
16.0	18.9	2.5	3.5	7.9	5.2	6.0	2.7	2.6	3.2	0.4	0.4	0.2	1.6
19.0	21.9	0.8	1.2	5.4	1.4	0.8			0.2				0.2
22.0	24.9	0.6	0.2	3.5	0.8	0.2							0.2
25.0	27.9	0.2	0.2	0.4									0.2
≥	28.0			0.2									

Greatest	Наибольшая	25.8	25.1	28.5	22.8	22.0	18.0	18.8	19.1	17.3	16.1	16.1	25.8
Least	Наименьшая	0.9	0.6	1.0	1.5	1.7	2.2	2.3	1.7	1.1	0.9	3.0	0.8

TABLE 4
ТАБЛИЦА 4MEAN INTERDIURNAL CHANGEABILITY OF AIR TEMP.
СРЕДНЯЯ МЕЖДУСУТОЧНАЯ ИЗМЕНЧИВОСТЬ ТЕМПЕРАТУРЫ ВОЗДУХА

Станция	No.	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год
№ станции		Station													
Ukhta	10	Ухта	4.0	4.0	3.6	2.1	2.0	1.9	1.8	1.6	1.9	2.0	2.6	3.4	2.6
Kem', port	41	Кемь, порт	3.5	3.1	3.0	2.0	2.2	2.4	1.9	1.8	1.7	1.9	2.3	2.9	2.4
Zhuzhmul Island	16	Жужмуй, остров	2.7	2.4	2.3	1.7	2.1	2.5	1.9	1.6	1.3	1.4	1.7	2.1	2.0
Medvezh'ye gorsk	30	Медвежьегорск	4.1	3.7	3.5	1.9	2.1	2.1	1.8	1.6	1.7	1.8	2.4	3.0	2.5
Petrozavodsk	45	Петрозаводск	3.2	3.2	2.9	1.9	2.4	2.1	1.7	1.4	1.7	1.8	2.2	2.7	2.3
Sortavala	52	Сортавала	3.7	3.4	3.2	1.6	1.7	1.7	1.5	1.3	1.6	2.0	2.2	2.9	2.2

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ПОВТОРЯЕМОСТЬ МЕЖДУСУТОЧНОЙ ИЗМЕНЧИВОСТИ ТЕМПЕРАТУРЫ ВОЗДУХА В ОПРЕДЕЛЕННЫХ ПРЕДЕЛАХ (%)

Пределы Limits		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от From	до To												
Ukhta													
10. Ухта													
-19.9	-18.0	0.2											
-17.9	-16.0	0.2	0.4										
-15.9	-14.0	0.2	0.5	0.2								0.2	0.2
-13.9	-12.0	1.3	0.2	0.2			0.2					0.2	0.5
-11.9	-10.0	2.9	1.2	0.4		0.2	0.2				0.2	0.4	1.1
-9.9	-8.0	2.1	2.6	2.4		0.4				0.2		2.2	3.1
-7.9	-6.0	4.5	4.4	5.3	0.8	1.4	1.3	1.0	0.7	1.0	1.6	1.7	4.0
-5.9	-4.0	8.1	10.2	9.0	4.8	5.0	4.0	4.0	3.2	4.2	3.4	6.8	6.6
-3.9	-2.0	15.0	13.6	15.1	13.4	11.6	11.8	12.6	14.3	19.0	17.8	16.5	14.8
-1.9	-0.1	17.8	18.7	16.7	27.8	26.6	25.7	29.2	32.4	29.9	31.8	26.6	23.6
0.0	1.9	18.2	14.1	18.1	29.3	31.4	33.4	35.5	34.2	28.5	26.2	23.0	19.5
2.0	3.9	10.7	13.2	14.5	15.7	16.7	17.8	13.1	12.3	11.5	11.8	12.0	9.5
4.0	5.9	7.4	8.5	7.7	4.5	5.6	4.3	4.0	2.7	4.5	5.8	6.0	8.1
6.0	7.9	4.5	6.0	4.0	2.7	1.1	1.3	0.2	0.2	1.2	1.2	2.5	3.1
8.0	9.9	2.4	3.7	3.2	1.0			0.2				0.8	2.6
10.0	11.9	1.9	1.4	1.4				0.2			0.2	0.5	2.1
12.0	13.9	1.3	0.2	1.0									0.5
14.0	15.9	0.3	0.5	0.2								0.2	0.3
16.0	17.9	0.6	0.2	0.4								0.2	0.2
18.0	19.9	0.2	0.2	0.2								0.2	0.2
	>20.0	0.2	0.2										
Kem' port													
11. Кемь, порт													
-15.9	-14.0	0.1						0.1					
-13.9	-12.0	0.5	0.1	0.1			0.4						
-11.9	-10.0	0.5	0.6	0.1		0.5	0.1	0.3				0.3	0.5
-9.9	-8.0	2.6	1.0	1.2		0.6	0.4	0.4	0.1			0.7	1.7
-7.9	-6.0	5.0	3.2	2.8	0.9	1.4	1.7	1.4	1.3	0.8	1.0	1.3	4.3
-5.9	-4.0	8.8	9.9	9.3	3.7	4.9	6.1	3.6	2.4	3.1	3.7	6.9	8.3
-3.9	-2.0	14.1	16.6	15.5	14.0	11.6	11.6	10.2	14.1	12.7	17.3	16.3	14.3
-1.9	-0.1	21.9	19.9	20.3	28.9	30.2	24.5	33.1	32.8	39.3	34.4	27.9	24.1
0.0	1.9	15.4	19.7	21.6	30.0	28.0	28.9	31.9	35.1	30.6	26.1	26.3	21.8
2.0	3.9	12.5	15.0	13.8	15.3	12.6	16.1	11.8	10.8	9.8	12.5	12.4	13.2

[illegible]

140	15.9	0.3	0.1	0.1
160	17.9	0.4		
180	19.9		0.1	0.1

Zhuzhmuy, island
16. Жужмуй, остров

[illegible]

30. Medvezh'yegorsk

[illegible]

Предела Limits		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от From	до To												
140	159	0.6	0.7	0.4								0.2	0.2
160	179	0.4	0.2										0.2
180	199	0.2											
Petrozavodsk, Sulazh-Gora													
45. Петрозаводск, Сулаж-Гора													
-17.9	-160		0.2										
-15.9	-140	0.4	0.2	0.4									0.2
-13.9	-120	0.1		0.3				0.1					
-11.9	-100	0.8	1.1	0.1			0.3					0.2	0.6
-9.9	-80	2.0	2.1	1.5	0.6	0.1	0.8	0.3	0.1	0.2	0.1	0.6	1.0
-7.9	-60	4.9	4.0	3.2	0.5	2.9	0.6	0.4	0.4	1.4	0.7	1.5	3.6
-5.9	-40	6.5	7.6	5.3	3.4	5.6	4.7	3.4	1.1	3.3	5.2	5.5	8.0
-3.9	-20	16.4	13.1	15.1	11.4	12.2	14.0	12.6	12.7	13.9	14.9	16.5	13.8
-1.9	-0.1	21.7	23.4	24.5	30.0	27.5	23.7	33.3	37.4	39.2	36.1	28.4	27.2
0.0	1.9	20.7	19.8	22.1	17.4	27.4	31.5	32.0	36.6	27.0	26.8	26.6	20.2
2.0	3.9	11.4	12.6	14.0	15.8	16.3	16.5	14.0	10.0	11.4	11.5	14.5	14.8
4.0	5.9	6.7	6.6	6.4	14.2	5.6	6.1	2.9	1.4	3.2	4.7	4.3	5.9
6.0	7.9	3.9	5.3	4.0	4.7	2.0	1.1	0.9	0.3	0.4	0.9	1.1	2.7
8.0	9.9	2.8	2.4	1.9	1.7		0.5	0.1			0.1	0.6	1.0
10.0	11.9	0.8	1.0	1.2	0.3	0.3	0.2					0.2	0.7
12.0	13.9	0.8	0.6			0.1							
14.0	15.9												0.3
16.0	17.9	0.1											
Sortavala													
52. Сортавала													
-17.9	-160		0.2										
-15.9	-140	0.2											
-13.9	-120			0.4									
-11.9	-100	1.2	1.3	0.2									0.2
-9.9	-80	2.6	1.8	1.2	0.2						0.6	0.8	2.3
-7.9	-60	6.8	3.6	3.8	0.4	0.4	0.8	0.6	0.4	0.9	0.8	2.3	3.9
-5.9	-40	8.1	10.2	8.3	1.7	4.2	2.9	1.2	1.0	2.8	4.8	5.5	7.8
-3.9	-20	14.1	15.8	15.2	8.8	10.5	10.4	12.3	10.3	17.0	16.4	13.5	15.1
-1.9	0.1	20.9	21.7	19.6	35.8	30.2	28.7	35.7	40.9	34.5	29.6	32.1	23.3
0.0	1.9	17.2	15.8	20.6	34.1	34.8	36.6	35.9	37.8	30.5	28.7	24.6	24.1
2.0	3.9	11.5	13.9	14.0	14.4	15.9	17.3	12.1	8.8	10.8	12.8	14.1	12.6
4.													

TABLE 5
 DATES OF ONSET OF MEAN DIURNAL AIR TEMPERATURES
 ABOVE AND BELOW CERTAIN LIMITS AND THE NUMBER OF
 DAYS WITH TEMPERATURES EXCEEDING THESE LIMITS

ТАБЛИЦА 5
 ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА
 ВЫШЕ И НИЖЕ ОПРЕДЕЛЕННЫХ ПРЕДЕЛОВ И ЧИСЛО ДНЕЙ
 С ТЕМПЕРАТУРОЙ, ПРЕВЫШАЮЩЕЙ ЭТИ ПРЕДЕЛЫ

№ СТАНЦИИ Station No.	Станция Station	Температура Temperature					
		-10	-5	0	5	10	15
1	Черная Река Chernaya Reka	10 III 25 XII 289	1 IV 15 XI 227	24 IV 15 X 176	21 V 24 IX 126	13 VI 28 VIII 75	
2	Чупа Chupa	4 III 24 XII 294	28 III 15 XI 231	19 IV 17 X 180	14 V 25 IX 133	8 VI 29 VIII 81	
3	Оланга Olanga	9 III 22 XII 287	31 III 17 XI 230	24 IV 21 X 179	19 V 27 IX 130	14 VI 30 VIII 76	
4	Лоухи Loukhi	9 III 24 XII 289	1 IV 15 XI 227	23 IV 19 X 178	20 V 26 IX 128	11 VI 28 VIII 77	
6	Гридино Gridino	27 II 12 I 318	27 III 28 XI 245	24 IV 25 X 183	22 V 29 IX 129	18 VI 3 IX 76	
6*	Кестеньга Kesten'ga	3 III 26 XII 298	31 III 18 XI 231	23 IV 19 X 178	20 V 27 IX 129	12 VI 29 VIII 77	
7	Софьянга Sof'yanga	11 III 19 XII 282	2 IV 16 XI 227	24 IV 19 X 177	18 V 27 IX 131	12 VI 28 VIII 76	
8	Пильдозеро Pil'dozero	5 III 29 XII 298	31 III 19 XI 232	22 IV 21 X 181	18 V 28 IX 132	9 VI 1 IX 83	9 VII 4 VIII 25
9	Поньгома Pon'goma	26 II 7 I 316	27 III 25 XI 242	21 IV 23 X 184	20 V 29 IX 131	16 VI 1 IX 76	
10	Ухта Ukhta	7 III 24 XII 291	30 III 17 XI 231	21 IV 22 X 183	14 V 26 IX 134	6 VI 1 IX 86	10 VII 31 VII 21
11	Кемь, порт Kem', port	28 II 8 I 313	27 III 27 XI 244	21 IV 25 X 186	19 V 1 X 134	15 VI 5 IX 81	
12	Панозеро Panozero	7 III 23 XII 290	28 III 19 XI 235	18 IV 21 X 185	14 V 28 IX 136	5 VI 31 VIII 86	13 VII 31 VII 17
13	Кемь, город Kem', city	3 III 6 I 308	27 III 25 XI 242	19 IV 24 X 187	16 V 28 IX 134	12 VI 3 IX 82	
14	Подужемье Poduzhem'ye	3 III 1 I 303	28 III 20 XI 236	18 IV 22 X 186	16 V 28 IX 134	9 VI 1 IX 83	
15	Юшкозеро Yushkozero	6 III 25 XII 293	27 III 20 XI 237	18 IV 22 X 186	10 V 29 IX 141	4 VI 2 IX 89	8 VII 3 VIII 25
16	Жужмуй, остров Zhuzhmuy, is.	16 II 29 I 346	22 III 3 XII 255	20 IV 3 XI 196	20 V 4 X 136	19 VI 8 IX 80	

Station

No.

Станция No.	Станция Station	Температура Temperature					
		-10	-5	0	5	10	15
17	Раз-Наволоч Raz-Navolok	2 III 6 I 309	25 III 27 XI 246	21 IV 28 X 189	18 V 30 IX 134	16 VI 7 IX 82	
18	Беломорск Belomorsk	1 III 3 I 307	26 III 26 XI 244	17 IV 25 X 190	13 V 29 IX 138	12 VI 7 IX 86	
19	Кимасозеро Kimasozero	3 III 29 XII 300	26 III 21 XI 239	17 IV 23 X 188	13 V 28 IX 137	3 VI 2 IX 90	1 VII 31 VIII 29
20	Колежма Kolozhma	1 III 3 I 307	28 III 24 XI 240	18 IV 28 X 192	16 V 29 IX 135	10 VI 6 IX 87	
21	Ругозеро Rugozero	2 III 28 XII 300	26 III 21 XI 239	16 IV 23 X 189	9 V 28 IX 141	2 VI 4 IX 93	8 VII 3 VIII 25
22	Воренжа Vorenzha	5 III 25 XII 294	28 III 22 XI 238	15 IV 25 X 192	12 V 29 IX 139	4 VI 6 IX 93	7 VII 5 VIII 28
23	Надвойцы Nadvoytsy	1 III 30 XII 303	27 III 24 XI 241	17 IV 25 X 190	15 V 1 X 138	5 VI 8 IX 94	1 VII 7 VIII 37
24	Реболы Reboly	5 III 26 XII 295	28 III 21 XI 237	17 IV 25 X 190	10 V 29 IX 141	2 VI 4 IX 93	30 VI 8 VIII 38
25	Сегежа Segezha	4 III 29 XII 299	26 III 23 XI 241	15 IV 25 X 192	10 V 30 IX 142	2 VI 7 IX 96	2 VII 8 VIII 36
26	Паданы Padany	28 II 2 I 307	26 III 25 XI 243	15 IV 28 X 195	12 V 3 X 143	5 VI 5 IX 91	4 VII 5 VIII 31
27	Масельская Masel'skaya	28 II 29 XII 303	26 III 23 XI 241	15 IV 24 X 191	8 V 30 IX 144	2 VI 6 IX 95	1 VII 8 VIII 37
28	Морская Масельга	28 II 28 XII 302	24 III 22 XI 242	13 IV 25 X 194	8 V 1 X 145	31 V 7 IX 98	1 VII 7 VIII 36
29	Данилово Danilovo	3 III 23 XII 294	26 III 21 XI 239	14 IV 23 X 191	8 V 30 IX 144	31 V 3 IX 94	1 VII 5 VIII 34
30	Медвежьегорск Medvezh'yegorsk	2 III 28 XII 300	26 III 25 XI 243	14 IV 27 X 195	9 V 2 X 145	1 VI 7 IX 97	29 VI 9 VIII 40
31	Кудам Губа Kudam-Guba	4 III 25 XII 295	26 III 21 XI 239	15 IV 24 X 191	8 V 30 IX 144	1 VI 5 IX 95	30 VI 8 VIII 38
32	Повенец Povenets	2 III 28 XII 300	25 III 28 XI 247	12 IV 29 X 199	7 V 3 X 148	31 V 8 IX 99	26 VI 11 VIII 45
33	Совдозеро Sovdozero	3 III 27 XII 298	26 III 21 XI 239	15 IV 25 X 192	9 V 30 IX 143	3 VI 5 IX 93	4 VII 4 VIII 30

Station

№ станции	Станция Station	Температура Temperature					
		-10	-5	0	5	10	15
34	Поросозеро Porosozero	1 III 21 XII 294	24 III 18 XI 238	13 IV 22 X 191	6 V 28 IX 144	4 VI 4 IX 91	3 VII 8 VIII 35
35	Шуньга Shun'ga	27 II 1 I 307	23 III 1 XII 252	12 IV 2 XI 203	4 V 6 X 154	30 V 12 IX 104	24 VI 14 VIII 50
36	Куганаволок Kuganavolok	2 III 23 XII 295	24 III 21 XI 241	11 IV 25 X 196	5 V 2 X 149	30 V 9 IX 101	26 VI 12 VIII 46
37	Спасская Губа Spasskaya Guba	24 II 3 I 312	23 III 26 XI 247	9 IV 31 X 204	2 V 2 X 152	27 V 6 IX 101	27 VI 9 VIII 42
38	Вертезия Vertsiya	18 II 9 I 324	22 III 28 XI 250	11 IV 31 X 202	1 V 3 X 154	26 V 8 IX 104	27 VI 10 VIII 43
39	Кондопога Kondopoga	24 II 4 I 314	22 III 1 XII 253	9 IV 1 XI 205	3 V 6 X 155	27 V 12 IX 107	26 VI 14 VIII 48
40	Суоярви Suoyarvi	28 II 1 I 306	23 III 24 XI 245	13 IV 26 X 195	4 V 2 X 150	30 V 6 IX 98	30 VI 8 VIII 38
41	Сенная Губа Sennaya Guba	24 II 9 I 318	24 III 7 XII 257	12 IV 7 XI 208	4 V 8 X 156	30 V 14 IX 106	28 VI 16 VIII 48
42	Янисъярви Yanis'yarvi	19 II 15 I 329	20 III 1 XII 255	11 IV 3 XI 205	1 V 4 X 155	26 V 8 IX 104	26 VI 10 VIII 44
43	Суистамо, Леппясюрья Suistamo, Leppyaasyur'ya	19 II 12 I 326	22 III 30 XI 252	10 IV 30 X 202	30 IV 5 X 157	25 V 9 IX 106	26 VI 9 VIII 43
44	Клименицы Klimenitsy	20 II 17 I 330	24 III 10 XII 260	12 IV 12 XI 213	11 V 9 X 150	11 VI 16 IX 96	5 VII 14 VIII 39
45	Петрозаводск, Сулаж Гора Petrozavodsk, Sulazh-Gora	17 II 5 I 321	19 III 27 XI 252	8 IV 1 XI 206	3 V 2 X 151	28 V 11 IX 105	28 VI 10 VIII 42
46	Петрозаводск, озеро Petrozavodsk-ozero	17 II 17 I 333	21 III 2 XII 255	10 IV 4 XI 207	3 V 7 X 156	30 V 13 IX 105	26 VI 11 VIII 45
47	Василиси Vasilisin	5 III 11 I 311	30 III 11 XII 255	16 IV 13 XI 210	22 V 10 X 140	21 VI 18 IX 88	10 VII 14 VIII 34
48	Теребовская Terebovskaya	1 III 1 I 305	26 III 30 XI 248	12 IV 1 XI 202	3 V 5 X 154	27 V 12 IX 107	26 VI 12 VIII 46
49	Пудож Pudok	26 II 28 XII 304	22 III 24 XI 246	9 IV 28 X 201	28 IV 3 X 157	25 V 9 IX 106	23 VI 12 VIII 49
50	Петрозаводск, город Petrozavodsk, city	13 II 19 I 339	20 III 30 XI 254	10 IV 3 XI 206	3 V 5 X 154	27 V 12 IX 107	25 VI 13 VIII 48

Station
No.

№ станции	Станция Station	Температура Temperature					
		-10	-5	0	5	10	15
51	Колодозеро Kolodozero	26 II 20 XII 296	24 III 20 XI 240	9 IV 24 X 197	30 IV 1 X 153	27 V 7 IX 102	24 VI 9 VIII 45
52	Сортавала Sortavala		20 III 5 XII 259	9 IV 7 XI 211	1 V 8 X 159	26 V 13 IX 109	25 VI 15 VIII 50
53	Пряжа Pryazha	22 II 2 I 313	20 III 26 XI 250	10 IV 29 X 201	2 V 2 X 152	27 V 9 IX 104	27 VI 11 VIII 44
54	Импилакhti Impilakhti	14 II 29 I 348	21 III 6 XII 259	8 IV 7 XI 212	3 V 5 X 154	30 V 10 IX 102	28 VI 12 VIII 44
55	Палалахта Palalakhta	24 II 4 I 313	22 III 28 XI 250	11 IV 31 X 202	2 V 4 X 154	26 V 8 IX 104	28 VI 10 VIII 42
56	Валаам Valaam		19 III 22 XII 277	9 IV 15 XI 219	2 V 13 X 163	30 V 16 IX 108	30 VI 18 VIII 48
57	Ладва Lavda	28 II 29 XII 303	24 III 25 XI 245	10 IV 29 X 201	1 V 3 X 154	28 V 8 IX 102	28 VI 9 VIII 41
58	Мантсинсаари Mantsinsaari		20 III 16 XII 270	10 IV 11 XI 214	6 V 11 X 157	4 VI 15 IX 102	1 VII 18 VIII 47
59	Ханхипааси, маяк Khankhipaasi, beacon		19 III 3 I 289	12 IV 23 XI 224	21 V 18 X 149	28 VI 19 IX 82	29 VII 20 VIII 21
60	Куркийоки Kurkiyoki		21 III 7 XII 260	10 IV 8 XI 211	30 IV 7 X 159	23 V 12 IX 111	27 VI 14 VIII 47
61	Хейнялуото, маяк Kheynyaluoto, beacon		21 III 16 XII 269	15 IV 15 XI 213	18 V 13 X 147	15 VI 15 IX 91	13 VII 17 VIII 34
62	Хитола, Хиеккалахти Khitola, Khiyekkalakhti		17 III 5 XII 262	8 IV 7 XI 212	1 V 9 X 160	29 V 16 IX 103	2 VII 11 VIII 40
63	Видлица Vidlitsa	16 II 13 I 330	25 III 3 XII 252	13 IV 6 XI 206	5 V 6 X 153	29 V 12 IX 105	29 VI 13 VIII 44
64	Андрусово Andrusovo		22 III 10 XII 262	12 IV 10 XI 211	6 V 12 X 158	30 V 15 IX 107	29 VI 16 VIII 47
65	Олонет Olonets	18 II 12 I 327	24 III 28 XI 248	11 IV 4 XI 206	1 V 4 X 155	23 V 11 IX 110	27 VI 12 VIII 45

ТАБЛИЦА 6

ЧИСЛО ДНЕЙ СО СРЕДНЕЙ СУТОЧНОЙ ТЕМПЕРАТУРОЙ ВОЗДУХА
В РАЗЛИЧНЫХ ПРЕДЕЛАХ

Температура Temperature or From		до To		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
--	--	----------	--	---	----	-----	----	---	----	-----	------	----	---	----	-----

[illegible][illegible][illegible]

-34.9	-30.0	0.02			
-29.9	-25.0	0.2	0.2		0.04
-24.9	-20.0	1.4	0.7	0.1	0.5

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Температура Temperature		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от From	до To												
-19.9	-15.0	39	37	16									16
-14.9	-10.0	81	83	60	05							06	51
-9.9	-5.0	93	88	93	38	02					03	49	88
-4.9	0.0	69	62	110	115	51	01				50	141	126
0.1	5.0	12	05	30	124	147	54	01		26	169	98	24
5.1	10.0				17	80	106	78	69	175	86	06	
10.1	15.0				01	27	89	137	152	95	02		
15.1	20.0					03	46	75	82	04			
20.1	25.0					002	04	19	07				

Segezha
25. Сегежа

-39.9	-35.0	0.03											
-34.9	-30.0	0.3	0.3										0.03
-29.9	-25.0	1.0	0.6										0.5
-24.9	-20.0	2.3	1.9	1.1								0.1	1.2
-19.9	-15.0	4.3	4.6	2.9								0.6	2.4
-14.9	-10.0	7.3	7.0	6.1	1.0						0.03	1.8	5.1
-9.9	-5.0	8.2	7.6	8.4	3.8						1.2	6.2	8.2
-4.9	0.0	6.1	5.3	9.0	9.1	2.1	0.1			0.2	7.3	11.8	10.2
0.1	5.0	1.5	0.7	3.5	12.9	10.5	1.7			5.1	14.0	8.7	3.4
5.1	10.0			0.03	3.0	11.0	6.6	1.9	3.0	14.5	8.1	0.8	
10.1	15.0				0.2	5.9	11.0	10.6	13.8	8.2	0.4		
15.1	20.0					1.5	8.2	11.4	12.3	2.0			
20.1	25.0					0.03	2.4	6.8	1.8				
25.1	30.0						0.03	0.3	0.1				

Padany
26. Паданы

-39.9	-35.0	0.03	0.1										0.01
-34.9	-30.0	0.4	0.2										0.1
-29.9	-25.0	1.0	0.7	0.2								0.01	0.5
-24.9	-20.0	2.3	2.1	1.1								0.1	1.4
-19.9	-15.0	4.6	5.1	2.7								0.5	2.9
-14.9	-10.0	6.6	6.7	6.0	0.7						0.01	2.6	5.8
-9.9	-5.0	7.9	6.9	8.3	3.6	0.1					1.2	6.3	8.6
-4.9	0.0	6.7	5.8	8.8	8.5	2.5	0.1			0.1	7.2	11.6	8.7
0.1	5.0	1.5	0.7	3.8	13.4	11.0	1.4	0.1		4.7	14.3	8.1	3.0
5.1	10.0			0.1	3.4	11.1	8.0	1.8	4.3	15.7	7.7	0.8	
10.1	15.0				0.4	5.0	11.0	11.6	15.5	8.8	0.6		
15.1	20.0					1.2	8.1	12.8	10.2	0.7			
20.1	25.0					0.01	1.4	4.5	1.0				
25.1	30.0						0.01	0.2					

Morskaya Masel'ga
28. Морская Масел'га

-39.9	-35.0	0.2											0.04
-34.9	-30.0	0.5	0.1										0.3
-29.9	-25.0	1.2	0.8	0.1								0.1	1.1
-24.9	-20.0	2.2	2.4	0.9								0.2	1.8
-19.9	-15.0	4.1	5.0	2.7								0.04	1.0
-14.9	-10.0	6.8	6.5	5.3	0.6						0.04	2.3	5.3
-9.9	-5.0	8.0	7.4	8.1	3.0	0.04					1.8	7.2	8.8
-4.9	0.0	6.9	5.0	9.9	7.2	3.4	0.2			0.3	8.1	10.8	8.6
0.1	5.0	1.2	0.9	4.0	13.9	8.7	1.7	0.1	0.04	5.4	13.1	7.7	2.2
5.1	10.0			0.1	4.2	10.4	6.8	1.8	4.9	15.0	7.1	0.8	0.04
10.1	15.0				1.0	5.7	10.2	9.5	14.3	8.4	0.6		
15.1	20.0					2.3	8.6	12.6	9.8	0.9			
20.1	25.0					0.3	2.4	6.3	1.9				
25.1	30.0						0.2	0.6	0.1				

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Temperature

Температура		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от	до												

from to

30. Медвежьегорск

Medvezh'yegorsk

-39.9	-35.0	0.03	0.03										0.03
-34.9	-30.0	0.6	0.3										0.1
-29.9	-25.0	1.2	1.0	0.1									0.5
-24.9	-20.0	2.6	2.0	0.7								0.1	1.1
-19.9	-15.0	3.8	5.0	3.3	0.1							0.2	2.5
-14.9	-10.0	6.8	6.7	6.4	0.7						0.03	2.0	4.9
-9.9	-5.0	7.8	6.9	8.7	3.2						1.1	6.0	7.9
-4.9	0.0	6.4	5.5	8.2	8.8	1.4	0.1			0.2	7.4	11.1	10.3
0.1	5.0	1.8	0.8	3.6	14.2	10.1	1.2			4.9	13.5	9.2	3.7
5.1	10.0			0.03	2.8	13.0	7.0	1.2	2.6	14.8	8.5	1.4	
10.1	15.0				0.2	5.6	11.6	9.5	14.0	9.1	0.5		
15.1	20.0					0.8	7.8	13.5	12.9	1.0			
20.1	25.0					0.1	2.3	6.3	1.5				
25.1	30.0						0.03	0.5					

32. Повенец

Povenets

-39.9	-35.0		0.03										0.3
-34.9	-30.0	0.2	0.2										0.1
-29.9	-25.0	1.4	0.9	0.2								0.3	0.8
-24.9	-20.0	2.8	2.1	1.0								0.3	1.7
-19.9	-15.0	4.5	4.1	3.5	0.03						0.03	1.2	3.5
-14.9	-10.0	7.2	6.3	5.4	0.3						0.1	2.7	5.2
-9.9	-5.0	7.0	7.8	9.0	2.3	0.1					1.3	6.2	7.5
-4.9	0.0	6.6	5.6	8.3	8.1	2.8	0.03			0.1	6.6	9.3	8.6
0.1	5.0	1.3	1.1	3.6	15.4	9.2	1.0		0.03	5.3	14.0	9.3	3.5
5.1	10.0			0.03	3.5	11.4	6.5	1.2	4.1	13.6	7.8	0.8	0.03
10.1	15.0				0.4	6.2	10.4	7.7	14.3	10.1	1.1		
15.1	20.0					1.8	9.2	14.3	11.0	0.8			
20.1	25.0					0.1	2.8	7.2	1.6				
25.1	30.0						0.03	0.6					

49. Пудож

Pudozh

-44.9	-40.0	0.1											0.1
-39.9	-35.0	0.1											0.3
-34.9	-30.0	0.7	0.2										0.8
-29.9	-25.0	1.6	0.6										0.1
-24.9	-20.0	2.2	1.8	0.7								0.1	1.7
-19.9	-15.0	4.1	4.7	2.4								0.7	2.7
-14.9	-10.0	6.1	6.9	6.4	0.5						0.1	2.3	4.4
-9.9	-5.0	8.1	7.6	9.0	2.4						0.9	5.3	7.8
-4.9	0.0	6.4	5.3	9.0	7.5	1.0	0.1			0.1	7.0	10.9	10.0
0.1	5.0	1.6	1.1	3.4	14.2	7.9	0.7			4.7	13.5	9.4	3.2
5.1	10.0				4.8	11.3	4.9	0.7	2.4	14.5	8.8	1.3	
10.1	15.0				0.6	7.8	11.4	8.2	13.8	9.3	0.7		
15.1	20.0				0.02	2.8	9.5	14.3	12.8	1.4			
20.1	25.0					0.2	3.3	7.2	1.8	0.02			
25.1	30.0						0.1	0.6	0.2				

50. Петрозаводск, город

Petrozavodsk, city

-34.9	-30.0	0.1	0.05										0.02
-29.9	-25.0	0.7	0.4	0.02									0.4
-24.9	-20.0	2.2	1.6	0.4								0.05	1.2
-19.9	-15.0	4.3	4.2	1.6								0.3	2.5
-14.9	-10.0	6.2	6.5	4.8	0.2						0.02	2.0	4.8

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Temperature

Температура		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от	до												
from	to												
-9.9	-5.0	7.7	7.1	8.6	2.4	0.02					1.0	6.1	9.0
-4.9	0.0	7.4	6.5	9.6	7.8	1.3				0.1	5.5	10.3	9.1
0.1	5.0	2.3	1.9	5.9	14.9	7.7	0.6			4.0	13.7	10.1	4.0
5.1	10.0			0.2	4.0	11.7	4.0	0.8	2.3	13.6	9.4	1.2	
10.1	15.0				0.6	7.3	14.0	8.1	15.5	11.1	1.5		
15.1	20.0				0.05	2.5	9.1	15.8	11.3	1.2			
20.1	25.0					0.3	2.1	6.1	1.9	0.02			
25.1	30.0						0.1	0.2	0.05				

52. Сортавала

Sortavala

-39.9	-35.0												0.03
-34.9	-30.0	0.1	0.1										0.1
-29.9	-25.0	0.8	0.4										0.3
-24.9	-20.0	1.9	1.8	0.2								0.1	1.0
-19.9	-15.0	3.5	4.1	2.0								0.4	2.1
-14.9	-10.0	5.5	6.3	4.9	0.1					0.01	1.5	4.1	
-9.9	-5.0	7.8	7.1	8.6	1.6					0.6	4.6	7.2	
-4.9	0.0	8.4	6.8	9.5	6.8	0.6				0.01	4.9	9.7	9.8
0.1	5.0	3.0	1.7	5.7	17.0	6.3	0.2			2.9	12.5	11.8	6.3
5.1	10.0			0.1	4.0	13.5	4.5	0.3	1.2	13.1	11.5	1.9	0.04
10.1	15.0				0.4	8.2	13.2	7.3	14.9	12.7	1.5		
15.1	20.0				0.04	2.2	10.0	16.7	12.8	1.3			
20.1	25.0					0.2	2.1	6.4	2.1				
25.1	30.0						0.01	0.3	0.03				

65. Олонец

Olonets

-49.9	-45.0	0.02											
-44.9	-40.0	0.02											
-39.9	-35.0	0.02											
-34.9	-30.0	0.3	0.2										0.2
-29.9	-25.0	0.8	0.5	0.1								0.05	0.5
-24.9	-20.0	2.0	1.9	0.8								0.02	1.3
-19.9	-15.0	4.0	4.6	2.1	0.1							0.4	2.8
-14.9	-10.0	5.4	6.1	5.7	0.4						0.02	1.9	4.5
-9.9	-5.0	6.9	7.4	8.7	2.0						0.9	4.8	7.2
-4.9	0.0	8.6	6.3	9.4	7.4	0.5				0.2	5.1	10.1	9.2
0.1	5.0	2.9	1.3	4.2	15.2	6.4	0.4			3.1	13.2	10.8	5.3
5.1	10.0				4.1	12.9	5.0	0.3	1.0	14.0	10.5	2.0	
10.1	15.0				0.8	8.1	12.9	8.5	14.9	11.5	1.3		
15.1	20.0				0.05	3.0	8.9	16.4	13.4	1.2			
20.1	25.0					0.1	2.7	5.7	1.7	0.02			
25.1	30.0						0.1	0.1					

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No. of Station	Station	MEAN MINIMUM OF AIR TEMPERATURE СРЕДНИЙ МИНИМУМ ТЕМПЕРАТУРЫ ВОЗДУХА												Year Год..
		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
1	Черная Река	-18.4	-19.2	-16.1	-7.7	-1.3	4.5	7.5	5.9	1.6	-3.4	-9.2	-14.0	-5.8
2	Чупа	-16.0	-15.9	-12.8	-5.6	0.5	6.0	9.5	8.0	3.2	-2.0	-7.5	-12.4	-3.8
3	Оланга	-16.8	-17.6	-14.0	-6.7	-0.4	5.6	9.5	7.6	3.7	-1.8	-7.6	-13.0	-4.3
4	Доухи	-17.2	-18.2	-15.0	-7.0	-0.3	5.9	8.8	7.2	3.0	-2.3	-8.6	-13.2	-4.7
5	Гридино	-13.5	-14.5	-11.3	-4.8	0.4	6.3	10.5	9.6	5.3	-0.5	-5.5	-10.1	-2.3
6	Кестеньга	-16.3	-16.5	-13.6	-6.1	0.0	6.4	10.0	8.2	3.7	-1.8	-7.9	-12.7	-3.9
7	Софьянга	-18.2	-18.8	-15.4	-7.6	0.0	6.0	9.3	7.6	3.6	-1.7	-8.2	-13.7	-4.8
8	Пильдозеро	-16.4	-17.3	-14.1	-6.4	0.3	7.0	10.4	9.2	4.4	-1.5	-7.7	-12.8	-3.7
9	Поньгома	-14.9	-15.7	-12.0	-5.2	0.8	6.2	10.1	8.8	4.5	-1.0	-6.3	-11.7	-3.0
10	Ухта	-17.2	-17.7	-14.4	-6.7	0.1	6.4	9.4	7.5	3.5	-1.7	-8.0	-13.2	-4.3
11	Кемь, порт	-14.3	-15.1	-11.8	-4.8	0.7	6.5	10.2	9.7	5.2	-0.6	-5.6	-10.5	-2.5
12	Панозеро	-16.8	-17.4	-14.0	-6.4	0.5	6.2	9.0	7.1	3.1	-1.8	-8.0	-13.4	-4.3
13	Кемь, город	-14.5	-15.4	-12.6	-5.1	0.7	6.0	9.3	8.4	4.2	-1.2	-6.3	-11.0	-3.1
14	Подужемье	-15.2	-16.3	-13.0	-5.5	0.5	6.1	9.1	7.8	3.9	-1.4	-6.8	-12.2	-3.6
15	Юшкозеро	-16.8	-17.2	-13.9	-5.8	0.9	7.1	9.9	8.3	4.0	-1.3	-7.6	-13.0	-3.8
16	Жужмуй, остров	-11.8	-12.4	-9.3	-3.6	1.0	6.1	9.9	10.1	6.7	1.2	-3.8	-8.5	-1.2
17	Раз Наволок	-14.4	-15.4	-12.3	-5.1	0.8	6.7	10.1	9.3	5.2	-0.6	-5.7	-10.8	-2.7
18	Беломерск	-14.4	-15.0	-11.8	-4.6	1.1	6.3	9.7	8.6	4.6	-0.9	-6.0	-10.9	-2.8
20	Колежда	-15.2	-16.0	-12.9	-5.1	0.7	6.5	9.4	8.3	4.2	-1.0	-6.3	-11.7	-3.2
21	Ругозеро	-14.6	-14.8	-11.2	-4.5	1.8	7.8	10.8	9.5	4.7	-0.9	-6.5	-11.7	-2.5
22	Воренжа	-16.0	-16.3	-13.2	-5.3	1.1	7.6	10.9	9.7	4.9	-0.7	-6.6	-12.7	-3.0
23	Надвойцы	-15.1	-15.8	-12.6	-5.0	1.6	8.9	10.6	9.4	5.4	-0.2	-6.1	-11.3	-2.5
24	Реболы	-16.0	-16.6	-13.4	-5.4	1.4	8.3	11.8	9.8	4.9	-0.7	-6.4	-12.5	-2.9
25	Сегежа	-15.2	-15.8	-12.7	-4.6	1.8	8.1	11.4	10.0	5.3	-0.4	-6.1	-11.6	-2.5
26	Падана	-14.9	-15.5	-12.3	-4.6	1.5	7.7	11.2	9.7	5.3	-0.1	-5.6	-11.2	-2.4
27	Масельская	-15.3	-16.2	-12.7	-4.5	1.4	7.2	10.2	8.2	4.4	-0.7	-6.3	-12.0	-3.0

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Table 7

1. Chernaya River
2. Chupa
3. Olanga
4. Loukhi
5. Gridino
6. Kesten'ga
7. Sof'yanga
8. Pil'dozero
9. Pon'goma
10. Ukhta
11. Kem', port
12. Panozero
13. Kem', city
14. Poduzhem'ye
15. Yushkozero
16. Zhuzhmuy, island
17. Ras-Navolok
18. Belomorsk
20. Kolezhma
21. Rugozero
22. Vorenzha
23. Nadvoytsy
24. Reboly
25. Segezha
26. Padany
27. Masel'skaya

28	Морская Масельга	-155	-158	-119	-42	18	77	108	94	49	-05	-60	-119	-26
29	Данилово	-160	-162	-131	-52	12	68	95	79	41	-11	-69	-125	-34
30	Медвежьегорск	-151	-159	-124	-47	13	74	109	94	49	-04	-57	-115	-26
31	Кудам-Губа	-164	-167	-141	-57	13	75	106	85	44	-08	-69	-124	-34
32	Повенец	-159	-163	-124	-51	14	73	104	89	43	-02	-56	-116	-29
33	Совдозеро	-155	-161	-131	-53	11	72	102	85	43	-08	-67	-120	-32
35	Шульга	-148	-151	-116	-36	26	90	126	113	65	10	-45	-106	-14
36	Кутанаволок	-152	-153	-115	-37	28	92	124	110	58	-03	-61	-120	-19
37	Спасская Губа	-142	-145	-115	-35	25	79	108	94	43	-03	-54	-111	-21
38	Вяртсиля	-140	-139	-110	-35	24	76	107	90	48	-02	-51	-106	-20
39	Кондопога	-146	-150	-114	-34	26	84	119	107	60	07	-45	-104	-16
40	Суоярви	-150	-153	-120	-40	18	73	102	89	46	-04	-60	-119	-26
41	Сенная Губа	-142	-150	-118	-34	22	86	126	116	70	17	-36	-92	-11
42	Янисъярви	-131	-138	-103	-34	22	74	107	93	50	03	-46	-97	-17
43	Сунтамо, Леппякюрья	-139	-143	-109	-34	17	72	104	90	40	00	-53	-101	-21
44	Клименицы	-126	-141	-109	-33	21	72	124	120	74	18	-26	-81	-07
45	Петрозаводск, Сулаж-Гора	-138	-135	-90	-21	31	86	115	106	57	02	-49	-104	-11
46	Петрозаводск, озеро	-135	-141	-104	-26	30	86	120	106	62	10	-42	-93	-11
47	Василески	-138	-156	-121	-38	14	61	124	128	82	22	-15	-80	-10
48	Теребовская	-154	-157	-125	-36	27	83	118	102	58	02	-46	-106	-19
49	Пудож	-149	-151	-113	-33	30	84	114	97	50	-02	-56	-114	-20
50	Петрозаводск, город	-136	-142	-107	-30	27	84	115	103	56	05	-45	-100	-14
51	Колодозеро	-161	-156	-123	-38	22	79	108	92	48	-08	-64	-124	-27
52	Сортавала	-128	-137	-104	-30	31	86	122	108	61	12	-36	-88	-09
53	Пряжа	-140	-141	-104	-30	30	86	118	105	56	01	-53	-110	-15
54	Импалахти	-132	-144	-108	-36	20	69	109	93	48	06	-42	-93	-18
55	Палалахта	-142	-148	-116	-37	26	78	111	97	52	01	-51	-109	-20
56	Валаам	-100	-116	-88	-18	35	82	125	122	78	27	-19	-62	06
57	Ладва	-159	-164	-134	-40	19	66	94	77	39	-07	-60	-120	-32
58	Матиссаари	-113	-124	-93	-23	25	74	120	114	69	18	-31	-77	-03
59	Ханкиласи, маяк	-97	-111	-95	-30	11	55	99	120	82	31	-11	-49	00
61	Хейнялуото, маяк	-110	-119	-99	-35	13	59	119	121	79	26	-13	-58	-01
63	Видлица	-139	-145	-123	-39	20	68	106	91	51	04	-42	-102	-21
64	Андрусово	-124	-137	-109	-32	28	91	127	116	70	19	-32	-83	-06
65	Олонек	-144	-152	-122	-33	27	76	106	91	50	02	-46	-105	-21

Table 7 (continued)

28. Morskaya Masel'ga	63. Vidlitsa
29. Danilovo	64. Andrusovo
30. Medvezh'yegorsk	65. Olonets
31. Kudam-Guba	
32. Povenets	
33. Sovdozero	
35. Shun'ga	
36. Kuganavolok	
37. Spasskaya Guba	
38. Vyartsilya	
39. Kondopoga	
40. Suoyarvi	
41. Sennaya Guba	
42. Yanis'yarvi	
43. Suistamo, Leppyasyur'ya	
44. Klimenitsy	
45. Petrozavodsk, Sulazh-Gora	
46. Petrozavodsk, lake	
47. Vasilisin	
48. Terebovskaya	
49. Pudozh	
50. Petrozavodsk, city	
51. Kolodozero	
52. Sortavala	
53. Pryazha	
54. Impilakhti	
55. Palalakhta	
56. Valaam	
57. Ladva	
58. Mantsinsaari	
59. Khankhipaasi, lighthouse/beacon	
61. Kheynyaluoto, lighthouse/beacon	

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No.

of

Station Station

ABSOLUTE MINIMUM OF AIR TEMPERATURE
АБСОЛЮТНЫЙ МИНИМУМ ТЕМПЕРАТУРЫ ВОЗДУХА

Table 8

ТАБЛИЦА 8

№ стан- ции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
1	Черная Река	-44	-43	-41	-36	-17	-5	-4	-8	-11	-26	-33	-45	-45
2	Чула	-43	-42	-40	-31	-15	-6	-1	-6	-10	-22	-33	-39	-43
3	Оланга	-43	-47	-40	-34	-15	-6	-1	-3	-8	-23	-35	-42	-47
4	Лоухи	-44	-46	-42	-36	-14	-7	-3	-6	-11	-24	-36	-42	-46
5	Гридино	-42	-38	-32	-24	-11	-4	2	-1	-7	-19	-29	-31	-42
6	Кестеньга	-42	-47	-40	-32	-14	-5	0	-2	-8	-23	-36	-41	-47
7	Софьянга	-46	-50	-43	-36	-15	-6	-2	-3	-8	-24	-36	-44	-50
8	Пильдозеро	-42	-43	-43	-31	-14	-4	2	-2	-8	-21	-36	-40	-43
9	Поньгома	-41	-41	-36	-27	-13	-4	0	-3	-9	-20	-32	-34	-41
10	Ухта	-43	-50	-43	-34	-13	-5	0	-3	-9	-24	-38	-45	-50
11	Кема, порт	-43	-40	-32	-26	-12	-4	1	-2	-7	-19	-31	-34	-43
12	Панозеро	-43	-48	-44	-35	-15	-5	-1	-4	-9	-25	-38	-44	-48
13	Кема, город	-43	-41	-38	-28	-12	-6	-1	-4	-9	-21	-33	-40	-43
14	Полужемье	-42	-43	-40	-31	-14	-5	-1	-4	-9	-22	-34	-40	-43
15	Юшкозеро	-44	-49	-43	-33	-14	-5	-1	-3	-8	-25	-37	-44	-49
16	Жужмуй, остров	-37	-35	-28	-19	-9	-3	2	2	-3	-12	-24	-30	-37
17	Раз Наволок	-43	-41	-34	-28	-14	-5	0	-3	-8	-21	-32	-37	-43
18	Беломорск	-43	-40	-37	-26	-14	-6	-1	-5	-8	-21	-31	-40	-43
20	Колежда	-41	-44	-39	-28	-11	-5	-2	-3	-7	-22	-33	-37	-44
21	Ругозеро	-40	-43	-34	-27	-11	-3	3	0	-6	-18	-34	-39	-43
22	Воренжа	-42	-47	-41	-31	-15	-4	0	0	-5	-22	-36	-40	-47
24	Реболы	-44	-49	-40	-32	-13	-3	2	0	-6	-21	-36	-44	-49
25	Сегежа	-41	-46	-39	-29	-15	-4	-1	-1	-6	-18	-34	-40	-46
26	Паданы	-41	-46	-38	-29	-15	-3	1	0	-6	-17	-32	-40	-46
28	Морская Масельга	-42	-44	-38	-28	-15	-4	0	-1	-7	-22	-34	-42	-44
29	Данилово	-44	-45	-40	-31	-13	-6	-2	-4	-10	-20	-36	-44	-45

Table 8

1. Chernaya River
2. Chupa
3. Olanga
4. Loukhi
5. Gridino
6. Kesten'ga
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11. Kem', port
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13. Kem', city
14. Poduzhem'ye
15. Yushkozero
16. Zhuzhmuy, island
17. Raz-Navolok
18. Belomorsk
20. Kolezhma
21. Rugozero
22. Vorenzha
24. Reboly
25. Segezha
26. Padany
28. Morskaya Masel'ga
29. Danilovo

No. of Station		Year												Год
М. стан- ция	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
30	Медвежьегорск	-44	-45	-39	-26	-16	-4	-1	-1	-7	-18	-33	-41	-45
31	Худам-Губа	-47	-44	-42	-33	-17	-4	0	-2	-8	-19	-37	-46	-46
32	Повенец	-42	-45	-38	-27	-14	-4	-1	-4	-8	-21	-32	-42	-45
33	Совдозеро	-43	-45	-40	-31	-16	-4	0	-2	-8	-19	-36	-44	-45
35	Шуньга	-44	-45	-37	-26	-11	-2	1	1	-5	-14	-30	-39	-45
36	Кутанаволок	-43	-38	-34	-23	-11	-2	4	4	-4	-20	-33	-41	-43
38	Вартисля	-42	-38	-35	-25	-10	-4	0	-2	-5	-17	-28	-41	-42
39	Кондопога	-43	-41	-37	-26	-10	-3	3	0	-8	-16	-31	-40	-43
40	Суоярви	-43	-41	-38	-26	-12	-6	-1	-3	-7	-18	-30	-42	-43
41	Сенная Губа	-42	-42	-36	-24	-11	-2	3	0	-4	-15	-26	-38	-42
42	Янисъярви	-40	-39	-34	-22	-9	-4	1	-3	-5	-16	-26	-41	-41
44	Клименцы	-38	-38	-34	-25	-10	-2	4	2	-4	-16	-26	-34	-38
45	Петрозаводск, Сулаж-Гора	-40	-38	-33	-24	-9	-3	0	0	-6	-16	-32	-38	-40
46	Петрозаводск, озеро	-40	-41	-35	-24	-10	-3	2	1	-5	-15	-27	-39	-41
47	Васильини	-38	-38	-34	-26	-10	-2	4	4	-3	-17	-24	-35	-38
48	Теребовская	-44	-44	-39	-31	-10	-2	1	-1	-7	-22	-33	-43	-44
49	Пудож	-44	-42	-33	-25	-10	-3	1	-1	-7	-21	-33	-42	-44
50	Петрозаводск, город	-40	-38	-33	-25	-10	-2	2	1	-7	-16	-27	-37	-40
51	Колодозеро	-49	-45	-38	-30	-14	-5	1	-2	-8	-22	-35	-45	-49
52	Сортавала	-41	-40	-34	-23	-8	-2	3	0	-5	-13	-25	-40	-41
53	Пряжа	-42	-39	-36	-23	-10	-5	1	-1	-7	-18	-30	-41	-42
55	Паллахта	-44	-41	-40	-27	-12	-5	2	-1	-9	-19	-29	-43	-44
56	Валаам	-34	-36	-30	-18	-8	-1	5	3	-2	-12	-20	-31	-36
57	Ладва	-48	-44	-42	-30	-13	-7	-1	-5	-9	-22	-33	-46	-48
58	Мансиисаари	-37	-37	-32	-18	-7	-2	3	1	-3	-14	-23	-33	-37
59	Ханхипааси, маяк	-32	-35	-30	-20	-8	-2	2	4	-2	-11	-19	-27	-35
63	Видница	-52	-42	-40	-28	-11	-6	0	-3	-9	-20	-28	-43	-52
64	Андрусово	-48	-39	-37	-27	-10	-3	3	1	-6	-18	-27	-38	-48
65	Олонец	-54	-44	-40	-28	-10	-6	1	-3	-9	-20	-30	-43	-54

Table 8 (continued)

30. Medvezh'yegorsk
31. Kudam-Guba
32. Povenets
33. Sovdozero
35. Shun'ga
36. Kuganavolok
38. Vyartsilya
39. Kondopoga
40. Suoyarvi
41. Sennaya Guba
42. Yanis'yarvi
44. Klimentitsy
45. Petrozavodsk, Sulazh-Gora
46. Petrosavodsk, island
47. Vasilisin
48. Terebovskaya
49. Pudozh
50. Petrozavodsk, city
51. Kolodozero
52. Sortavala
53. Pryazha
55. Palalakhta
56. Valaam
57. Ladv
58. Mantsinsaari
59. Khankhipaasi, lighthouse/beacon
63. Vidlitsa
64. Andrusovo
65. Olonets

NUMBER OF DAYS WITH MINIMUM AIR TEMPERATURE
IN DIFFERENT LIMITS

Table 9

ТАБЛИЦА 9

ЧИСЛО ДНЕЙ С МИНИМАЛЬНОЙ ТЕМПЕРАТУРОЙ ВОЗДУХА
В РАЗЛИЧНЫХ ПРЕДЕЛАХ

[illegible]

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Temperature

Температура		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от	до												
from	to												
-19.9	-15.0	6.0	6.4	3.9	0.3							0.1	2.9
-14.9	-10.0	8.8	9.0	8.2	2.5						0.02	1.7	6.2
-9.9	-5.0	8.2	7.5	9.5	6.9	0.9					1.3	8.5	10.0
-4.9	0.0	4.6	2.9	7.9	13.4	10.5	0.6			0.2	9.0	13.7	10.0
0.1	5.0	0.3	0.02	0.7	6.8	15.5	11.2	0.3	0.3	7.3	16.6	5.9	0.7
5.1	10.0				0.1	3.6	12.8	17.4	13.8	18.7	4.1	0.1	
10.1	15.0					0.5	4.9	11.0	15.4	3.8			
15.1	20.0						0.5	2.3	1.5	0.02			
20.1	25.0							0.02					

25. Сегежа

Segezha

-44.9	-40.0	0.03	0.1										
-39.9	-35.0	0.2	0.3	0.1									0.03
-34.9	-30.0	1.5	1.0	0.5								0.03	0.4
-29.9	-25.0	2.2	2.3	1.9	0.1							0.1	1.1
-24.9	-20.0	4.0	3.8	3.2	0.4							0.6	2.9
-19.9	-15.0	5.8	5.9	5.0	1.4						0.1	1.2	4.1
-14.9	-10.0	6.3	6.4	6.8	2.9	0.1					0.5	4.0	5.7
-9.9	-5.0	7.4	6.1	7.5	6.1	0.7				0.03	3.2	7.0	8.2
-4.9	0.0	3.2	2.3	5.3	11.5	10.0	1.1	0.03	0.03	2.2	10.4	11.2	7.7
0.1	5.0	0.4	0.1	0.7	7.5	14.0	6.4	0.9	1.9	10.9	13.2	5.7	0.9
5.1	10.0				0.1	5.4	10.9	10.6	11.4	12.8	3.6	0.2	
10.1	15.0					0.8	9.7	13.2	14.8	4.0			
15.1	20.0						1.9	6.0	2.8	0.1			
20.1	25.0							0.3	0.1				

26. Паданы

Padany

-49.9	-45.0		0.02										
-44.9	-40.0	0.03	0.1										0.02
-39.9	-35.0	0.5	0.5	0.1									0.2
-34.9	-30.0	1.6	0.9	0.8								0.02	0.6
-29.9	-25.0	2.3	2.2	1.9	0.1							0.1	1.1
-24.9	-20.0	3.9	3.8	3.2	0.5							0.5	2.8
-19.9	-15.0	5.8	5.7	4.9	1.4	0.03					0.02	1.6	4.3
-14.9	-10.0	6.6	6.3	6.6	3.1	0.2					0.5	4.5	6.5
-9.9	-5.0	6.6	6.1	7.3	6.5	1.4				0.1	3.5	7.5	7.6
-4.9	0.0	3.4	2.4	5.4	11.6	9.4	0.8		0.1	2.0	11.2	10.3	6.9
0.1	5.0	0.3	0.2	0.8	6.6	14.2	7.3	1.0	2.6	12.2	12.4	5.3	1.0
5.1	10.0				0.2	5.2	12.7	10.1	13.3	13.1	3.3	0.2	
10.1	15.0					0.6	8.3	15.5	13.7	2.6	0.03		
15.1	20.0						0.9	4.3	1.3				
20.1	25.0						0.02	0.1					

Temperature

Температура		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от	до												

from	to	30. Медвежьегорск Medvezh'yegorsk											
-49.9	-45.0		0.03										
-44.9	-40.0	0.1	0.0										
-39.9	-35.0	0.4	0.4	0.03									0.1
-34.9	-30.0	1.5	1.1	0.7									0.6
-29.9	-25.0	2.5	2.4	1.9	0.03							0.03	1.2
-24.9	-20.0	4.0	4.4	3.0	0.5							0.3	2.3
-19.9	-15.0	5.2	5.5	5.2	1.4	0.03					0.03	1.8	3.9
-14.9	-10.0	6.6	6.3	6.8	3.0	0.1					0.8	3.8	6.0
-9.9	-5.0	6.7	5.5	6.8	5.9	1.1				0.1	3.5	6.5	7.6
-4.9	0.0	3.6	2.6	5.9	13.0	10.7	1.3	0.03	0.2	3.1	10.3	10.9	8.1
0.1	5.0	0.4	0.1	0.7	6.1	13.8	6.5	1.3	2.6	11.2	12.3	6.3	1.2
5.1	10.0				0.1	5.1	13.4	10.3	12.1	12.0	4.0	0.4	
10.1	15.0					0.2	7.7	14.7	14.3	3.5	0.03		
15.1	20.0						1.1	4.5	1.8	0.03			
20.1	25.0							0.2	0.03				

		49. Пудож Pudozh											
-44.9	-40.0	0.1	0.1										0.02
-39.9	-35.0	0.6	0.2										0.2
-34.9	-30.0	1.4	0.8	0.3									0.9
-29.9	-25.0	2.0	2.4	1.5								0.1	1.8
-24.9	-20.0	3.3	3.7	3.4	0.4							0.5	2.5
-19.9	-15.0	5.6	5.7	5.5	1.2						0.1	1.8	3.6
-14.9	-10.0	6.2	6.3	6.1	2.7	0.02					0.8	3.3	5.5
-9.9	-5.0	7.1	5.6	7.4	5.1	0.5				0.1	3.2	7.4	7.8
-4.9	0.0	4.3	3.2	5.4	11.3	7.9	0.8		0.2	3.8	11.3	10.4	7.5
0.1	5.0	0.4	0.1	1.3	8.6	13.2	5.8	1.2	3.0	10.5	11.4	6.1	1.2
5.1	10.0				0.7	7.4	12.3	8.8	11.9	12.2	4.1	0.4	
10.1	15.0				0.02	1.9	9.3	15.1	13.9	3.3	0.1		
15.1	20.0					0.02	1.8	5.6	2.0	0.1			
20.1	25.0						0.02	0.2					

		65. Олонец Olonets											
-34.9	-50.0	0.1											
-49.9	-45.0	0.03											
-44.9	-40.0	0.03	0.03										0.03
-39.9	-35.0	0.6	0.4	0.1									0.2
-34.9	-30.0	1.4	1.7	0.6									0.6
-29.9	-25.0	2.7	2.4	2.0	0.2							0.1	1.4
-24.9	-20.0	3.0	3.8	3.4	0.4							0.3	2.3
-19.9	-15.0	4.2	4.9	4.4	0.9						0.1	1.4	3.3
-14.9	-10.0	5.8	5.4	6.4	2.1	0.03					0.6	3.0	5.3
-9.9	-5.0	6.8	5.3	6.7	4.5	0.1				0.3	3.0	6.6	6.7
-4.9	0.0	5.8	3.8	5.9	13.1	7.9	1.0		0.1	3.5	9.5	10.1	8.8
0.1	5.0	0.6	0.3	1.5	8.2	14.1	6.6	1.8	3.2	9.8	12.2	7.9	2.4
5.1	10.0				0.6	7.9	13.9	10.9	12.6	12.5	5.5	0.6	
10.1	15.0					0.9	7.8	14.7	13.5	3.8	0.1		
15.1	20.0					0.03	0.7	3.6	1.6	0.1			
20.1	25.0									0.03			

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MEAN OF ABSOLUTE MINIMUMS OF AIR TEMPERATURE

Table 10

ТАБЛИЦА 10

No. of

Station

Станция

СРЕДНИЙ ИЗ АБСОЛЮТНЫХ МИНИМУМОВ ТЕМПЕРАТУРЫ ВОЗДУХА

№ станции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
1	Черная Река	-35	-35	-34	-25	-10	-3	-1	-3	-7	-15	-24	-31	-38
2	Чупа	-28	-30	-25	-18	-6	-1	2	1	-3	-12	-23	-25	-31
3	Оланга	-32	-34	-32	-22	-8	-2	2	0	-4	-12	-21	-28	-36
4	Долухи	-33	-35	-32	-24	-8	-2	0	-1	-5	-12	-24	-28	-37
5	Гридино	-26	-26	-22	-15	-5	0	6	4	-1	-8	-16	-22	-29
6	Кестеньга	-31	-33	-31	-19	-7	0	3	1	-3	-11	-22	-28	-36
7	Софьянга	-35	-37	-35	-24	-8	-1	1	0	-4	-13	-23	-31	-39
8	Пильдозеро	-31	-33	-32	-21	-8	0	5	3	-1	-10	-22	-26	-37
9	Помыгома	-29	-31	-27	-18	-6	0	3	2	-2	-9	-20	-24	-32
10	Ухта	-32	-35	-32	-22	-7	-1	3	1	-4	-11	-22	-29	-38
11	Кемь, порт	-27	-27	-24	-15	-5	1	5	4	-1	-8	-16	-23	-30
12	Панозеро	-32	-33	-34	-24	-8	-1	2	0	-4	-12	-22	-29	-39
13	Кемь, город	-29	-29	-27	-17	-6	-1	3	2	-2	-10	-18	-24	-32
14	Подужемье	-29	-32	-30	-20	-7	0	2	1	-2	-11	-21	-28	-36
15	Юшкозеро	-33	-34	-33	-22	-7	0	4	1	-3	-11	-21	-28	-38
16	Жужмуй, остров	-22	-22	-19	-11	-4	1	5	6	2	-4	-11	-18	-24
17	Рад-Наволоок	-28	-28	-26	-16	-5	0	4	2	-2	-9	-16	-23	-31
18	Беломорск	-29	-28	-26	-17	-5	-1	3	1	-2	-10	-18	-24	-32
20	Колема	-30	-32	-28	-17	-6	-1	2	0	-3	-10	-18	-25	-35
21	Ругозеро	-27	-28	-24	-15	-5	1	6	4	-1	-9	-18	-24	-32
22	Воренжа	-32	-33	-30	-19	-6	0	6	4	-1	-10	-20	-28	-38
23	Надвойцы	-29	-31	-27	-17	-5	3	4	4	0	-6	-15	-25	-34
24	Ряболы	-33	-34	-30	-20	-6	2	6	4	-1	-9	-20	-28	-37
25	Сетежа	-30	-31	-28	-17	-6	0	5	4	-1	-8	-17	-25	-35
26	Паданы	-30	-31	-28	-17	-5	1	5	4	-1	-8	-16	-25	-35
27	Масельская	-28	-30	-29	-17	-6	-1	3	1	-3	-9	-18	-24	-38
28	Морская Масельга	-31	-32	-29	-17	-6	0	4	3	-2	-11	-19	-27	-36
29	Данилово	-33	-33	-30	-20	-6	-1	2	0	-3	-11	-19	-29	-38
30	Медвежьегорск	-30	-31	-28	-17	-6	0	4	3	-2	-9	-18	-26	-36
31	Кудам-Губа	-33	-34	-32	-21	-6	0	4	1	-3	-10	-22	-30	-38

Table 10

1. Chernaya River
2. Chupa
3. Olanga
4. Loukhi
5. Gridino
6. Kesten'ga
7. Sof'yanga
8. Pil'dozero
9. Pon'goma
10. Ukhta
11. Kem', port
12. Panozero
13. Kem', city
14. Poduzhem'ye
15. Yushkozero
16. Zhuzhmuy, island
17. Raz-Novolok
18. Belomorsk
20. Bolezhma
21. Rugozero
22. Vorenzha
23. Nadvoytsy
24. Reboly
25. Segezha
26. Padany
27. Masel'skaya
28. Morskaya Masel'ga
29. Danilovo
30. Medvezh'yegorsk
31. Kudam-Guba

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No. of Station		Station												Year Год
Станция №	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
32	Повенец	-31	-33	-28	-16	-6	-1	2	1	-3	-10	-18	-26	-37
33	Совдозеро	-32	-33	-30	-19	-6	0	4	2	-3	-10	-21	-28	-37
35	Шуньга	-30	-29	-26	-14	-4	2	8	6	1	-6	-14	-23	-34
36	Куганаволок	-29	-26	-24	-13	-4	3	7	6	1	-7	-18	-25	-33
37	Спасская Губа	-30	-32	-26	-13	-4	2	4	2	-2	-8	-16	-28	-35
38	Виртсиля	-29	-28	-25	-14	-4	0	5	2	-2	-8	-17	-27	-33
39	Кондопога	-30	-28	-26	-14	-4	2	6	5	0	-6	-15	-24	-34
40	Суоярви	-30	-30	-27	-14	-5	-1	3	2	-3	-9	-19	-27	-35
41	Сенная Губа	-28	-29	-26	-12	-4	3	7	6	2	-4	-13	-22	-34
42	Янишъярви	-28	-28	-24	-13	-4	0	4	2	-3	-7	-15	-26	-32
43	Сунтамо, Леппясюрья	-28	-27	-25	-14	-5	1	4	2	-2	-8	-16	-25	-33
44	Клименши	-26	-26	-23	-13	-4	2	7	7	1	-5	-11	-18	-30
45	Петрозаводск, Сулаж-Гора	-27	-25	-20	-10	-3	2	5	4	-1	-7	-15	-23	-31
46	Петрозаводск, озеро	-28	-27	-30	-11	-4	2	6	4	0	-6	-14	-21	-31
47	Василдин	-26	-26	-24	-14	-4	1	8	8	3	-4	-10	-18	-30
48	Теребовская	-33	-31	-29	-15	-4	2	5	3	-2	-9	-18	-26	-37
49	Пудож	-31	-28	-25	-15	-4	1	5	3	-2	-8	-17	-26	-34
50	Петрозаводск, город	-28	-28	-24	-15	-4	2	5	4	-1	-8	-14	-22	-32
51	Колодозеро	-35	-32	-29	-17	-6	0	4	2	-2	-10	-20	-29	-38
52	Сортавала	-28	-28	-24	-13	-3	2	6	5	-1	-6	-14	-23	-31
53	Пряжа	-29	-27	-24	-13	-4	2	6	4	0	-8	-15	-24	-33
54	Импалахти	-28	-30	-25	-15	-5	0	5	3	-2	-8	-16	-24	-33
55	Палалахта	-32	-30	-28	-16	-4	2	5	3	-2	-8	-16	-26	-35
56	Валаам	-21	-23	-19	-10	-2	3	8	8	2	-3	-9	-15	-25
57	Ладва	-35	-34	-30	-18	-5	0	2	0	-4	-11	-20	-29	-39
58	Мантеинсаари	-24	-24	-22	-10	-2	2	6	6	1	-5	-12	-20	-29
59	Ханниласи, маяк	-18	-22	-20	-10	-4	2	4	9	2	-2	-7	-14	-25
60	Куриййоки	-27	-27	-24	-13	-3	3	7	5	-2	-9	-16	-23	-32
61	Хейнялуото, маяк	-25	-24	-22	-12	-4	2	7	6	3	-3	-11	-17	-28
62	Хингола, Хиеккалахти	-25	-27	-25	-13	-4	1	7	4	-1	-6	-13	-22	-31
63	Видалица	-32	-31	-28	-17	-4	0	4	1	-3	-9	-15	-26	-36
64	Андрусово	-28	-26	-24	-14	-3	4	7	7	0	-7	-13	-21	-32
65	Олонек	-32	-30	-28	-16	-4	1	4	2	-2	-9	-16	-26	-35

Table 10 (continued)

32. Povenets
33. Sovdozero
35. Shun'ga
36. Kuganavolok
37. Spasskaya Guba
38. Vyartsilya
39. Kondopoga
40. Suoyarvi
41. Sennaya Guba
42. Yanis'yarvi
43. Suistamo, Leppyasyur'ya
44. Klimentitsy
45. Petrozavodsk, Sulazh-Gora
46. Petrozavodsk, island
47. Vasilisin
48. Terebovskaya
49. Pudozh
50. Petrozavodsk, city
51. Kolodozero
52. Sortavala
53. Pryazha
54. Impilakhti
55. Palalakhta
56. Valaam
57. Ladv
58. Mantsinsaari
59. Khankhipaasi, lighthouse/beacon
60. Kurkiyoki
61. Kheynyaluoto, lighthouse/beacon
62. Khiitola, Khiekkalakhti
63. Vidlitsa
64. Andrusovo
65. Olonets

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MEAN MAXIMUM OF AIR TEMPERATURE

Table 11
ТАБЛИЦА 11

No. of Station	Station	СРЕДНИЙ МАКСИМУМ ТЕМПЕРАТУРЫ ВОЗДУХА												Year for
№ стан- ции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год
1	Черная Река	-81	-80	-30	29	86	152	191	169	110	39	-17	-54	43
2	Чула	-79	-76	-38	33	92	156	198	168	108	34	-22	-56	43
3	Олаита	-83	-86	-34	29	87	151	193	172	108	38	-19	-57	42
4	Доухи	-86	-86	-38	27	86	153	194	170	105	33	-22	-58	40
5	Гридино	-73	-78	-37	21	75	136	176	160	108	41	-10	-46	39
6	Кестеньга	-85	-87	-37	26	86	149	190	169	105	36	-21	-58	39
7	Софьянга	-88	-91	-38	26	84	153	192	168	106	35	-20	-62	39
8	Пильдозеро	-83	-84	-34	28	88	156	198	176	109	37	-19	-55	43
9	Поньгома	-78	-80	-32	34	90	148	177	168	115	42	-16	-52	43
10	Ухта	-83	-83	-32	34	104	166	201	180	114	40	-18	-57	47
11	Кемь, порт	-74	-78	-34	26	84	142	176	165	113	44	-10	-48	42
12	Панозеро	-84	-82	-31	37	104	166	202	180	112	40	-18	-57	47
13	Кемь, город	-74	-77	-32	32	93	152	187	172	117	44	-11	-50	46
14	Подужемье	-78	-79	-32	40	103	158	192	177	115	42	-17	-54	47
15	Юшкозеро	-83	-81	-26	42	109	170	206	184	116	41	-16	-58	50
16	Жужмуй, остров	-70	-74	-35	23	75	134	166	158	108	46	-06	-44	40
17	Раз Наволок	-75	-77	-31	29	86	146	179	168	117	45	-10	-48	44
18	Беломорск	-75	-75	-31	34	100	152	188	173	118	44	-10	-50	47
20	Кодежда	-75	-79	-33	37	98	160	191	179	120	47	-07	-52	48
21	Ругозеро	-83	-84	-30	38	114	170	202	181	113	37	-18	-60	48
22	Борейка	-82	-83	-30	43	108	170	203	184	117	42	-14	-60	50
23	Надвоица	-80	-77	-37	38	112	164	200	177	116	41	-16	-50	49
24	Ребеля	-83	-82	-26	40	113	172	206	181	114	39	-16	-60	50
25	Сегежа	-82	-80	-30	42	113	173	207	184	119	42	-13	-57	52
26	Падана	-80	-77	-28	41	106	165	199	176	117	46	-09	-54	50
27	Масельская	-83	-82	-29	45	120	171	212	184	118	42	-14	-56	52
28	Морская Масельга	-83	-83	-28	46	116	177	206	178	122	45	-10	-57	52
29	Данилово	-89	-83	-30	46	119	182	216	187	119	43	-16	-62	53
30	Медвежьегорск	-83	-77	-26	46	118	180	215	189	123	48	-10	-53	56
31	Кудам-Губа	-82	-78	-20	47	119	181	211	188	118	42	-15	-58	54
32	Повенец	-76	-77	-25	45	114	176	208	186	124	52	-04	-50	56

Table 11

1. Chernaya River
2. Chupa
3. Olanga
4. Loukhi
5. Gridino
6. Kesten'ga
7. Sof'yanga
8. Pil'dozero
9. Pon'goma
10. Ukhta
11. Kem', port
12. Panozero
13. Kem', city
14. Poduzhem'ye
15. Yushkozero
16. Zhuzhmuy, island
17. Raz-Navolok
18. Belomorsk
20. Kolezhma
21. Rugozero
22. Borenzha
23. Nadvoytsy
24. Reboly
25. Segezha
26. Padany
27. Masel'skaya
28. Morskaya Masel'ga
29. Danilovo
30. Medvezh'yegorsk
31. Kudam-Guba
32. Povenets

No. of
Station

Station

№ стан- ции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
33	Совдозеро	-81	-79	-22	45	119	178	210	185	121	46	-13	-56	54
35	Шуньга	-79	-76	-26	51	123	182	215	190	127	54	-04	-51	59
36	Куганаволок	-87	-83	-27	49	117	179	212	186	120	42	-17	-64	52
37	Спасская Губа	-70	-70	-17	58	130	184	215	192	126	52	-08	-55	61
38	Виртепя	-71	-67	-11	56	132	184	216	194	128	56	-03	-49	64
39	Комдопога	-75	-69	-21	54	126	181	214	190	129	56	-02	-49	61
40	Суоярви	-76	-75	-21	50	125	186	217	190	123	48	-09	-56	58
41	Севная Губа	-71	-72	-24	48	126	182	215	191	132	62	03	-39	63
42	Янисъярви	-70	-67	-13	52	131	184	214	191	128	58	00	-48	63
43	Сунетамо, Леппясуо	-70	-65	-17	55	134	186	214	192	129	56	-04	-45	64
44	Клименцы	-69	-73	-27	45	103	153	198	179	124	59	11	-37	56
45	Петрозаводск, Сулаж-Гора	-76	-71	-16	56	119	179	205	184	124	51	-04	-53	58
46	Петрозаводск, озеро	-67	-67	-21	54	122	178	209	186	133	60	01	-41	62
47	Василиси	-74	-78	-43	29	76	134	188	177	126	60	14	-41	47
48	Теребовская	-75	-70	-21	54	124	180	215	188	126	56	01	-48	61
49	Пудож	-82	-74	-19	60	134	190	221	194	128	51	-09	-57	61
50	Петрозаводск, город	-70	-68	-19	52	121	179	210	188	128	57	-01	-47	61
51	Колодозеро	-89	-76	-19	61	131	188	218	190	125	45	-17	-65	58
52	Сортавала	-62	-62	-10	55	130	185	216	194	132	63	07	-37	67
53	Пряжа	-77	-72	-18	54	127	182	211	188	125	51	-08	-55	59
54	Импиллаhti	-62	-61	-10	55	130	187	217	193	132	60	07	-36	68
55	Паллахта	-74	-71	-18	54	132	186	214	192	129	55	-05	-52	62
56	Валаам	-49	-57	-17	50	121	174	207	187	128	66	17	-22	67
57	Ладога	-76	-69	-11	63	134	189	217	196	132	54	-04	-54	64
58	Мантайссаари	-54	-59	-18	48	116	169	206	189	130	63	11	-28	64
59	Ханхипааси, маяк	-56	-54	-17	37	70	134	175	190	132	66	14	-24	56
63	Видница	-66	-61	-20	46	123	175	210	192	129	63	09	-39	63
64	Андрусово	-63	-62	-16	48	113	167	207	190	129	64	09	-38	62
65	Озонец	-67	-61	-16	56	136	189	221	198	134	61	03	-43	68

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Table 11 (continued)

- 33. Sovdozero
- 35. Shun'ga
- 36. Kuganavolok
- 37. Spasskaya Guba
- 38. Vyartsilya
- 39. Kondopoga
- 40. Suoyarvi
- 41. Sennaya Guba
- 42. Yanis'yarvi
- 43. Suistamo, Leppyasyur'ya
- 44. Klimenitsy
- 45. Petrozavodsk, Sulazh-Gora
- 46. Petrozavodsk, island
- 47. Vasilisin
- 48. Terebovskaya
- 49. Pudozh
- 50. Petrozavodsk, city
- 51. Kolodozero
- 52. Sortavala
- 53. Pryazha
- 54. Impilakhti
- 55. Palalakhta
- 56. Valaam
- 57. Ladva
- 58. Mantsinsaari
- 59. Khankhipaasi, lighthouse/beacon
- 63. Vidlitsa
- 64. Andrusova
- 65. Olonets

ABSOLUTE MAXIMUM OF AIR TEMPERATURE Table 12

ТАБЛИЦА 12

No. of
Station

АБСОЛЮТНЫЙ МАКСИМУМ ТЕМПЕРАТУРЫ ВОЗДУХА

№ станции	Station Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
1	Черная Река	7	6	13	21	28	32	32	30	21	15	11	8	32
2	Чупа	8	6	12	21	29	33	32	31	23	15	10	7	33
3	Оланга	6	6	12	21	28	31	31	30	23	16	10	8	31
4	Лоухи	7	6	12	21	29	31	31	29	24	16	9	8	31
5	Гридино	7	6	11	18	26	31	32	29	24	15	11	7	32
6	Кестеньга	6	6	12	21	28	30	31	30	23	15	10	8	31
7	Софьянга	6	6	12	22	29	30	31	30	22	15	10	8	31
8	Пильдозеро	7	6	10	20	29	31	31	30	24	15	9	8	31
9	Поньгома	6	6	10	20	29	31	31	30	25	16	10	8	31
10	Ухта	6	6	11	21	28	31	31	30	24	16	10	8	31
11	Кемь, порт	6	5	10	20	26	30	32	30	25	16	10	7	32
12	Панозеро	6	6	12	22	28	32	33	31	26	16	10	8	33
13	Кемь, город	7	6	11	21	27	33	35	31	26	18	11	7	35
14	Подужемье	6	6	12	21	30	31	33	31	25	16	10	8	33
15	Юшкозеро	6	6	13	22	28	32	32	31	26	16	10	8	32
16	Жужмуй, остров . .	5	5	9	18	25	31	30	29	23	15	9	6	31
17	Раз-Наволоок . . .	8	6	11	20	28	32	32	31	26	17	10	7	32
18	Беломорск	7	7	12	22	28	33	34	31	26	18	12	7	34
20	Колежма	6	5	11	21	28	32	32	31	25	18	11	6	32
21	Ругозеро	5	5	10	21	28	30	34	30	25	16	10	7	34
22	Воренжа	6	5	11	20	28	32	32	31	26	17	10	7	32
23	Надвойцы	6	6	12	20	27	31	35	30	24	16	11	7	35
24	Реболы	6	6	11	19	27	31	33	30	25	16	10	7	33
25	Сегежа	6	6	11	20	27	32	35	32	25	18	10	7	35
26	Паданы	6	6	12	21	27	32	34	30	24	17	10	8	34
27	Масельская	5	5	12	23	29	33	35	30	24	18	10	8	35
28	Морская Масельга .	5	6	12	22	29	32	34	31	25	17	10	7	34
29	Данилово	5	5	10	23	29	32	32	32	28	18	10	7	32
30	Медвежьегорск . .	6	6	10	22	29	31	35	30	24	19	10	7	35

Table 12

1. Chernaya River
2. Chupa
3. Olanga
4. Loukhi
5. Gridino
6. Kesten'ga
7. Sof'yanga
8. Pil'dozero
9. Pon'goma
10. Ukhta
11. Kem', port
12. Panozero
13. Kem', city
14. Podyzhem'ye
15. Yuzhkozero
16. Zhuzhmuy, island
17. Raz-Navolok
18. Belomorsk
20. Kolezhma
21. Rugozero
22. Vorenzha
23. Nadvoytsy
24. Reboly
25. Segezha
26. Padany
27. Masel'skaya
28. Morskaya Masel'ga
29. Danilovo
30. Medvezh'yegorsk

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No. of
Station Station

№ станции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
31	Кудам-Губа	5	6	12	20	28	32	34	31	26	17	10	8	34
32	Повенец	6	6	11	21	28	31	35	31	25	18	10	8	35
33	Совдозеро	5	6	11	21	29	31	34	30	26	19	10	7	34
35	Шуньга	6	6	10	23	28	31	34	31	27	19	10	8	34
36	Куганаволок	4	3	10	23	28	32	32	30	27	17	10	6	32
37	Спасская Губа . . .	6	5	12	23	28	31	35	30	27	18	11	7	35
38	Вяртсиля	6	6	12	22	30	31	32	32	25	19	10	7	32
39	Кондопога	5	6	11	21	28	31	34	30	26	19	11	8	34
40	Суоярви	6	6	11	22	29	30	34	31	26	18	10	6	34
41	Сенная Губа	5	4	10	21	28	33	33	30	26	19	11	7	33
42	Янисъярви	5	6	12	20	30	30	31	31	25	19	11	7	31
43	Суистамо, Леппя- сюръя	5	6	12	22	30	32	32	32	25	19	11	8	32
44	Клименицы	4	4	9	21	25	30	30	30	24	19	10	6	30
45	Петрозаводск, Сулаж-Гора	5	5	12	24	30	32	34	31	25	18	11	8	34
46	Петрозаводск, озеро	6	5	11	23	28	32	34	32	28	19	11	8	34
47	Василисин	4	5	9	19	23	26	30	29	25	18	9	8	30
48	Теребовская	4	5	10	23	27	33	32	31	28	19	10	6	33
49	Пудож	4	4	11	24	29	33	34	34	29	19	11	7	34
50	Петрозаводск, город	5	6	12	24	30	33	35	33	27	18	11	8	35
51	Колодозеро	4	3	11	25	29	32	34	32	27	18	11	6	34
52	Сортавала	6	6	12	18	28	30	31	31	26	20	10	9	31
53	Пряжа	4	4	13	23	28	32	32	32	28	18	10	7	32
54	Импilahти	5	7	11	20	28	32	33	30	25	18	12	9	33
55	Палалахта	4	5	11	22	29	32	32	32	27	18	10	6	32
56	Валаам	6	6	11	19	26	30	32	31	25	19	10	7	32
57	Ладва	4	4	11	24	29	32	34	35	28	18	11	7	35
58	Мантсинсаари . . .	5	5	10	20	26	29	30	30	25	18	10	8	30
59	Ханхипааси, маяк	5	5	11	19	19	24	32	30	25	18	10	9	32
63	Видлица	5	5	10	19	28	31	32	31	26	19	9	6	32
64	Андрусово	5	5	10	20	28	30	32	31	27	19	11	8	32
65	Олонец	5	5	10	22	28	32	34	33	30	20	11	8	34

Table 12 (continued)

31. Kudam-Guba
32. Povenets
33. Sovdozero
35. Shun'ga
36. Kuganavolok
37. Spasskaya Guba
38. Vyartsilya
39. Kondopoga
40. Suoyarvi
41. Sennaya Guba
42. Yanis'yarvi
43. Suistamo, Leppyasyur'ya
44. Klimentitsy
45. Petrozavodsk, Sulazh-Gora
46. Petrozavodsk, island
47. Vasilisin
48. Terebovskaya
49. Pudozh
50. Petrozavodsk, city
51. Kolodozero
52. Sortavala
53. Pryazha
54. Impilakhti
55. Palalakhta
56. Valaam
57. Ladva
58. Mantsinsaari
59. Khankhipaasi, lighthouse/beacon
63. Vidlitsa
64. Andrusovo
65. Olonets

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NUMBER OF DAYS WITH MAXIMUM AIR TEMPERATURE IN DIFFERENT LIMITS Table 13
ТАБЛИЦА 13

ЧИСЛО ДНЕЙ С МАКСИМАЛЬНОЙ ТЕМПЕРАТУРОЙ ВОЗДУХА
В РАЗЛИЧНЫХ ПРЕДЕЛАХ

Temperarure

Температура		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от	до												

from to

4. Лоухи

Loukhi

-34.9	-30.0	0.1											
-29.9	-25.0	0.3	0.2										
-24.9	-20.0	0.8	0.7	0.1									0.4
-19.9	-15.0	2.9	3.0	0.8								0.3	1.4
-14.9	-10.0	6.4	7.3	3.1	0.1							0.9	3.7
-9.9	-5.0	9.3	8.1	8.0	1.4	0.03					0.2	4.5	7.6
-4.9	0.0	7.8	6.4	11.3	6.4	0.7				0.03	5.2	11.1	10.5
0.1	5.0	3.3	2.4	6.5	12.2	6.6	0.5			1.6	14.1	11.5	7.4
5.1	10.0	0.1	0.1	1.2	8.2	10.6	4.0	0.2	0.6	11.0	9.7	1.7	
10.1	15.0			0.03	1.7	7.6	7.5	4.7	8.3	13.1	1.8		
15.1	20.0				0.03	4.4	9.8	11.2	13.3	4.1	0.03		
20.1	25.0					1.0	6.3	9.9	7.3	0.2			
25.1	30.0					0.03	1.8	4.9	1.5				
30.1	35.0						0.1	0.1					

11. Кемь, порт

Kem', port

-34.9	-30.0	0.02											
-29.9	-25.0	0.1	0.1										
-24.9	-20.0	0.9	0.4	0.04								0.02	0.3
-19.9	-15.0	2.2	2.4	0.5								0.1	0.8
-14.9	-10.0	6.3	6.4	3.1	0.1							0.8	3.1
-9.9	-5.0	9.0	8.7	7.6	1.3						0.3	3.0	7.3
-4.9	0.0	8.6	7.4	10.6	6.7	1.3					2.9	11.4	12.0
0.1	5.0	3.7	2.8	7.6	12.7	8.3	0.8			0.5	13.9	12.3	7.5
5.1	10.0	0.2		1.6	7.3	10.0	6.6	0.8	0.8	9.6	10.9	2.4	0.02
10.1	15.0				1.7	6.7	8.6	9.7	9.6	14.3	3.0		
15.1	20.0				0.2	3.3	8.0	10.6	12.5	5.0	0.02		
20.1	25.0					1.3	4.4	7.5	7.1	0.6			
25.1	30.0					0.1	1.5	2.2	1.0				
30.1	35.0						0.1	0.2	0.02				

16. Жужмуй, остров

Zhuzhmuy, island

-29.9	-25.0		0.05										
-24.9	-20.0	0.4	0.3	0.05									0.1
-19.9	-15.0	1.8	1.9	0.3									0.8
-14.9	-10.0	5.9	5.8	2.8	0.1							0.1	2.5
-9.9	-5.0	10.0	9.6	8.4	1.4							1.8	6.9
-4.9	0.0	9.7	8.7	12.1	7.7	1.7	0.03				2.3	12.3	13.9
0.1	5.0	3.2	2.0	6.9	13.7	9.5	2.0	0.1		0.4	14.3	13.9	6.8
5.1	10.0			0.5	6.0	9.8	7.3	2.1	1.7	10.9	12.4	1.9	0.03
10.1	15.0				1.0	6.6	8.3	10.5	10.7	15.0	2.0		
15.1	20.0				0.1	2.9	7.9	9.8	12.4	3.5	0.03		

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Temperature

Температура		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от	до												
from	to												
20.1	25.0					0.5	3.9	6.3	5.8	0.2			
25.1	30.0					0.03	0.5	2.2	0.4				
30.1	35.0						0.03	0.03					

25. Сегежа

-34.9	-30.0	0.03	0.03										
-29.9	-25.0	0.4	0.1										0.1
-24.9	-20.0	1.2	0.6	0.03								0.03	0.6
-19.9	-15.0	2.8	2.5	0.5								0.2	1.4
-14.9	-10.0	5.8	6.4	2.5								0.7	3.4
-9.9	-5.0	8.9	7.9	8.0	0.9						0.1	3.9	7.1
-4.9	0.0	7.4	7.4	10.7	4.8	0.3					3.7	10.1	10.1
0.1	5.0	4.4	3.1	8.0	12.4	4.1	0.4			0.9	12.3	12.6	8.2
5.1	10.0	0.1	0.03	1.2	8.7	8.7	2.6	0.2	0.2	8.4	12.0	2.5	0.1
10.1	15.0			0.03	2.6	9.3	6.5	3.5	5.3	13.8	2.8		
15.1	20.0				0.6	6.5	10.1	9.5	13.0	6.2	0.1		
20.1	25.0					1.9	7.3	10.7	10.1	0.6			
25.1	30.0					0.2	3.0	6.6	2.2	0.1			
30.1	35.0						0.1	0.5	0.2				

26. Паданы

-34.9	-30.0	0.02	0.02										
-29.9	-25.0	0.4	0.2										0.2
-24.9	-20.0	1.2	0.8										0.5
-19.9	-15.0	2.9	2.2	0.6								0.2	1.4
-14.9	-10.0	5.9	6.9	3.2								0.7	4.2
-9.9	-5.0	8.6	7.7	7.2	0.8						0.1	3.5	7.4
-4.9	0.0	7.6	7.3	9.5	5.4	0.5					3.8	10.6	9.7
0.1	5.0	4.3	3.1	8.5	11.8	5.0	0.3			0.9	12.4	12.0	7.5
5.1	10.0	0.1	0.05	2.0	8.4	9.8	3.1	0.1	0.3	8.5	11.7	3.0	0.1
10.1	15.0			0.02	3.0	8.9	7.7	3.8	7.9	15.1	2.9	0.02	
15.1	20.0				0.6	5.1	10.2	11.5	13.1	4.8	0.1		
20.1	25.0				0.02	1.6	6.8	10.7	8.7	0.7			
25.1	30.0					0.1	1.8	4.7	1.0				
30.1	35.0						0.1	0.2					

30. Медвежьегорск

-34.9	-30.0	0.1	0.03										0.03
-29.9	-25.0	0.5	0.2										0.1
-24.9	-20.0	1.3	0.7	0.03									0.5
-19.9	-15.0	2.6	2.6	0.6								0.03	1.3
-14.9	-10.0	5.7	6.7	2.6								0.8	3.7
-9.9	-5.0	8.1	7.7	7.0	0.8						0.2	3.4	6.8
-4.9	0.0	8.2	7.1	10.4	3.7	0.2					3.3	10.2	10.4
0.1	5.0	4.4	3.1	8.6	13.0	3.1	0.3			0.7	11.7	12.2	8.1
5.1	10.0	0.1	0.1	1.8	8.5	9.0	1.8	0.1	0.1	7.6	12.0	3.4	0.1

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Temperature

Температура		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от	до												
from	to												
10.1	15.0				3.3	10.3	6.6	2.4	4.6	14.2	3.5		
15.1	20.0				0.6	6.4	10.5	9.2	12.5	6.7	0.3		
20.1	25.0				0.1	1.8	7.2	11.7	10.8	0.8			
25.1	30.0					0.2	3.4	6.8	3.0				
30.1	35.0						0.2	0.8	0.03				

49. Пудож

Pudozh

-39.9	-35.0	0.1											
-34.9	-30.0	0.2	0.02										0.1
-29.9	-25.0	0.7	0.2										0.4
-24.9	-20.0	1.3	0.6										0.9
-19.9	-15.0	2.5	2.1	0.3								0.2	1.7
-14.9	-10.0	5.3	6.2	2.0								0.9	3.8
-9.9	-5.0	8.2	7.9	6.5	0.3						0.2	4.1	6.2
-4.9	0.0	8.4	7.9	11.3	2.7	0.2				0.02	2.6	9.5	10.6
0.1	5.0	4.3	3.4	9.7	11.5	2.2	0.1			0.5	12.2	12.1	7.1
5.1	10.0			1.2	9.9	7.5	1.1	0.6	0.1	6.8	11.8	3.2	0.2
10.1	15.0				4.4	9.6	5.2	3.7	4.3	14.4	4.1	0.02	
15.1	20.0				1.1	7.7	10.7	8.4	12.8	7.1	0.1		
20.1	25.0				0.1	3.3	8.3	12.0	10.5	1.0			
25.1	30.0					0.5	4.2	5.2	3.0	0.2			
30.1	35.0						0.4	1.1	0.3				

65. Олонец

Olonecs

-44.9	-40.0	0.04											
-39.9	-35.0	0.0											0.03
-34.9	-30.0	0.04											0.0
-29.9	-25.0	0.2	0.2										0.1
-24.9	-20.0	0.9	0.4										0.4
-19.9	-15.0	1.7	1.4	0.1									1.2
-14.9	-10.0	4.1	6.0	1.2								0.5	3.1
-9.9	-5.0	8.0	7.5	5.4	0.1						0.03	2.4	6.0
-4.9	0.0	8.9	8.2	11.3	2.7						1.9	8.3	9.5
0.1	5.0	7.1	4.5	12.4	12.8	1.1	0.03			0.4	9.3	13.0	10.3
5.1	10.0			0.6	9.4	7.0	0.7		0.03	4.0	13.8	5.6	0.4
10.1	15.0				3.7	10.6	5.2	0.7	2.4	14.8	5.7	0.2	
15.1	20.0				1.1	8.3	11.8	9.0	12.4	9.2	0.3		
20.1	25.0				0.2	3.6	7.6	13.4	12.1	1.3			
25.1	30.0					0.4	4.5	7.0	3.8	0.3			
30.1	35.0						0.2	0.9	0.3	0.03			

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MEAN OF ABSOLUTE MAXIMUMS OF
AIR TEMPERATURE

Table 14
ТАБЛИЦА 14

No. of Station СРЕДНИЙ ИЗ АБСОЛЮТНЫХ МАКСИМУМОВ ТЕМПЕРАТУРЫ ВОЗДУХА

№ станции	Station Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
1	Черная Река	2	1	5	11	19	24	26	24	17	10	5	2	27
2	Чупа	2	1	6	11	20	26	27	25	18	11	5	2	29
3	Оланга	2	1	5	10	19	24	26	24	17	11	5	2	27
4	Лоухи	1	0	5	11	19	24	26	24	17	10	5	2	28
5	Гридино	2	1	5	11	19	23	26	24	18	11	5	2	27
6	Кестеньга	1	0	5	10	19	23	26	23	17	10	4	2	26
7	Софьянга	1	0	4	11	19	24	25	24	17	10	5	2	26
8	Пильдозеро	1	0	5	11	19	24	26	24	18	10	5	2	28
9	Поньгома	2	1	5	11	20	24	26	24	18	11	5	2	27
10	Ухта	1	1	5	12	20	24	26	24	18	10	5	2	28
11	Кемь, порт	2	1	5	11	20	24	26	24	18	11	5	2	27
12	Панозеро	1	1	5	12	21	25	28	24	18	11	5	2	28
13	Кемь, город	2	1	5	12	21	25	27	25	19	12	5	2	28
14	Подужемье	1	1	5	12	21	25	27	24	18	11	5	2	27
15	Юшкозеро	1	1	6	13	22	25	27	25	19	11	5	2	28
16	Жужмуй, остров	1	0	4	10	18	23	25	23	17	11	5	1	27
17	Раз-Наволоок	2	1	6	12	20	24	26	24	19	12	5	2	28
18	Беломорск	2	1	6	13	21	25	27	25	19	12	6	2	28
20	Колежма	2	1	5	12	21	25	27	25	19	12	6	2	28
21	Ругозеро	1	0	5	12	21	25	27	24	18	11	5	2	28
22	Воренжа	1	0	5	13	21	26	28	26	18	11	5	2	29
23	Надвойцы	1	1	5	11	20	28	28	24	18	12	6	2	29
24	Реболы	1	0	5	12	21	25	27	24	18	11	5	2	28
25	Сегежа	1	1	5	12	21	26	28	25	18	11	5	2	29
26	Паданы	1	1	6	13	20	25	27	24	18	11	6	2	28
27	Масельская	1	0	5	13	22	26	28	25	18	11	5	2	29
28	Морская Масельга	1	0	6	13	22	26	27	25	18	11	5	2	29
29	Данилово	1	0	5	13	22	26	28	26	19	11	5	1	29
30	Медвежьегорск	1	1	6	13	21	26	28	25	19	12	6	2	29

Table 14

1. Chernaya River
2. Chupa
3. Olanga
4. Loukhi
5. Gridino
6. Kesten'ga
7. Sof'yanga
8. Pil'dozero
9. Pon'goma
10. Ukhta
11. Kem', port
12. Panozero
13. Kem', city
14. Poduzhem'ye
15. Yushkozero
16. Zhuzhmuy, island
17. Raz-Navolok
18. Belomorsk
20. Kolezhma
21. Rugozero
22. Vorenzha
23. Nadvoytsy
24. Reboly
25. Segezha
26. Padany
27. Masel'skaya
28. Morskaya Masel'ga
29. Danilovo
30. Medvezh'yegorsk

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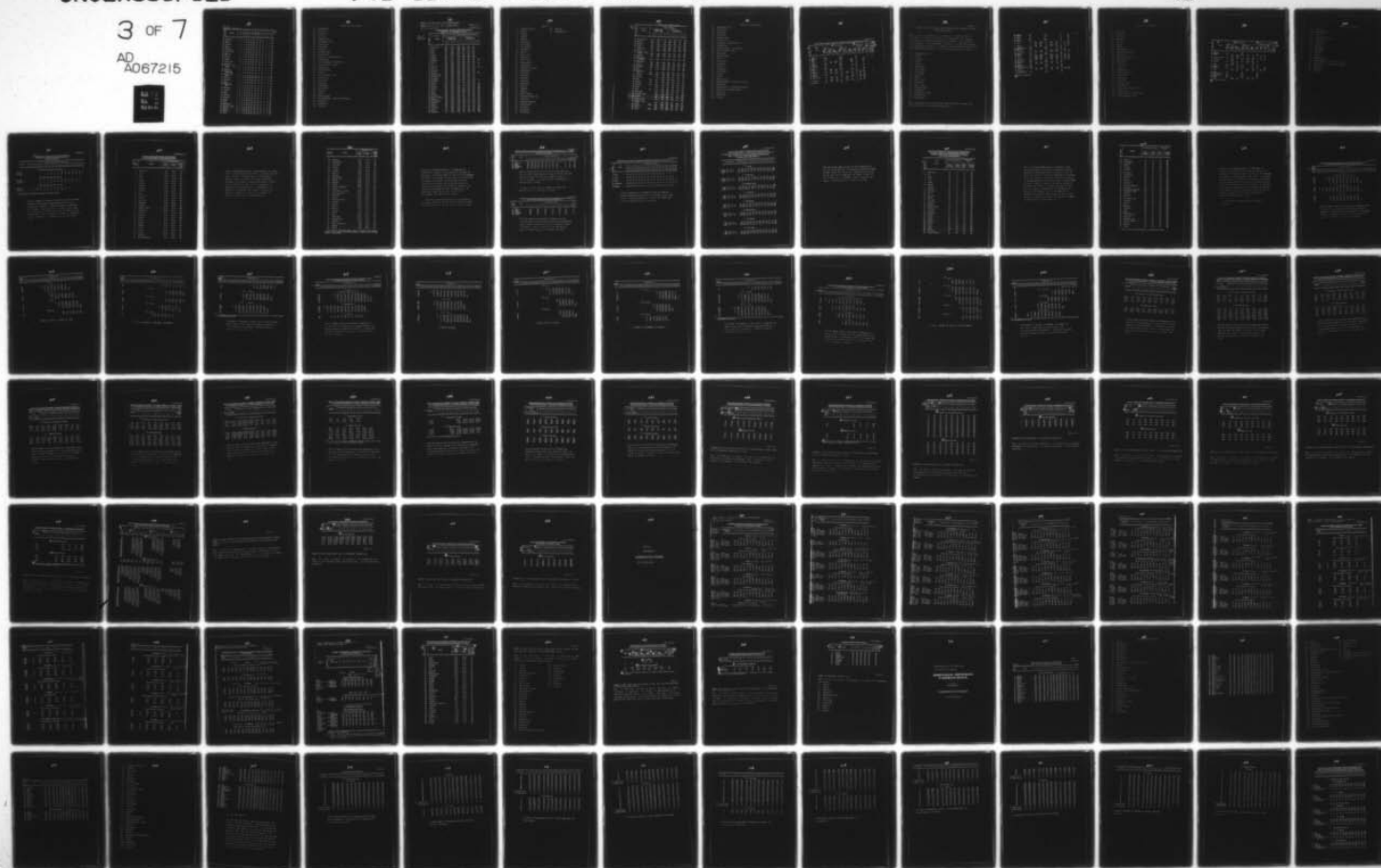
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No. of
Station Station

№ станции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
31	Кудам-Губа	1	0	5	13	21	26	27	25	19	11	5	2	28
32	Повенец	1	1	5	13	21	26	28	25	19	11	6	2	29
33	Совдозеро	1	1	6	13	22	26	28	25	19	11	5	2	28
35	Шуньга	1	1	5	14	22	26	28	25	19	12	6	2	29
36	Куганаволок	1	-1	5	14	22	26	28	25	19	11	5	1	29
37	Спасская Губа . . .	1	0	6	14	22	26	28	25	21	11	6	2	28
38	Вяртсиля	1	1	6	14	22	26	28	26	19	12	6	2	29
39	Кондопога	1	1	5	13	21	26	27	25	19	12	6	2	28
40	Суоярви	1	0	6	13	22	26	28	26	19	11	6	1	29
41	Сенная Губа	1	0	5	13	21	26	28	25	19	12	7	2	29
42	Янисъярви	1	1	7	13	22	25	27	25	19	13	7	3	29
43	Суйстоми, Леппя- сюръя	2	1	6	13	22	27	28	25	18	11	5	4	29
44	Клименицы	1	1	4	12	19	24	25	24	18	11	6	2	27
45	Петрозаводск, Сулаж-Гора	1	1	6	14	22	26	27	25	19	12	6	2	28
46	Петрозаводск, озеро	2	1	6	14	22	26	28	26	21	13	7	3	29
47	Василисин	0	1	3	10	17	20	25	23	18	11	6	2	26
48	Теребовская	1	1	4	14	22	26	28	25	20	12	6	2	28
49	Пудож	1	0	6	16	24	28	29	26	20	12	6	2	30
50	Петрозаводск, город	2	2	7	14	24	27	29	27	21	13	7	3	30
51	Колодозеро	1	0	6	16	24	27	29	26	20	11	6	1	30
52	Сортавала	2	2	7	13	22	25	27	25	17	13	7	4	28
53	Пряжа	1	0	5	15	22	26	27	25	20	12	6	2	29
54	Импилахти	2	2	6	12	21	27	29	25	19	11	7	4	30
55	Палалахта	1	1	5	14	23	26	28	26	19	12	6	2	29
56	Валаам	2	2	6	12	20	24	27	25	18	12	7	3	27
57	Ладва	1	1	6	15	24	27	28	27	20	13	6	2	30
58	Мантсинсаари	2	1	5	12	20	24	26	24	18	11	6	4	27
59	Ханхипааси, маяк . .	2	2	4	11	14	18	27	24	18	11	6	4	27
63	Видлица	2	2	4	13	22	26	27	25	19	12	6	3	29
64	Андрусово	2	1	4	13	21	25	27	25	18	12	6	3	28
65	Олонец	2	1	4	15	24	26	28	26	20	13	7	3	29

Table 14 (continued)

31. Kudam-Guba
32. Povenets
33. Sovdozero
35. Shun'ga
36. Kuganavolok
37. Spasskaya Guba
38. Vyartsilya
39. Kondopoga
40. Suoyarvi
41. Sennaya Guba
42. Yanis'yarvi
43. Suistomo, Leppyasyur'ya
44. Klimentitsy
45. Petrozavodsk, Sulazh-Gora
46. Petrozavodsk, lake
47. Vasilisin
48. Terebovskaya
49. Pudozh
50. Petrozavodsk, city
51. Kolodozero
52. Sortavala
53. Pryazha
54. Impilakhti
55. Palalakhta
56. Valaam
57. Ladv
58. Mantsinsaari
59. Khankhipaasi, lighthouse/beacon
63. Vidlitsa
64. Andrusovo
65. Olonets

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TOTALS OF MEAN DAILY AIR TEMPERATURES

BELOW -10, -5, 0°, and HIGHER THAN

Table 15

0, 5, 10 and 15°

ТАБЛИЦА 15

СУММЫ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА

НИЖЕ -10, -5, 0° И ВЫШЕ 0, 5, 10 И 15°

No. of Station	Station Станция	Total of tem-Сумма температур-peratures						
		negative отрицательных			positive положительных			
		-10	-5	0	0	5	10	15
1	Черная Река	-891	-1372	-1490	1473	1350	975	
2	Чупа	-778	-1274	-1405	1593	1479	1091	
3	Оланга	-903	-1335	-1458	1547	1427	1015	
4	Лоухи	-877	-1348	-1474	1537	1415	1034	
5	Гридино	-512	-1055	-1219	1500	1356	966	
6	Кестеньга	-768	-1275	-1406	1548	1435	1039	
7	Софьянга	-1001	-1417	-1547	1550	1435	1016	
8	Пильдозеро	-758	-1275	-1395	1624	1501	1136	404
9	Поньгома	-553	-1113	-1253	1538	1406	984	
10	Ухта	-858	-1333	-1439	1653	1526	1162	321
11	Кемь, порт	-556	-1092	-1238	1553	1425	1021	
12	Панозеро	-856	-1286	-1405	1645	1524	1165	272
13	Кемь, город	-620	-1122	-1265	1633	1486	1081	
14	Подужемье	-677	-1201	-1320	1606	1475	1091	
15	Юшкозеро	-824	-1240	-1389	1728	1592	1196	401
16	Жужмуй, остров	-194	-906	-1056	1553	1409	977	
17	Раз-Наволоок	-612	-1089	-1241	1606	1465	1054	
18	Беломорск	-625	-1109	-1246	1663	1524	1135	
19	Кимасозеро	-707	-1184	-1302	1738	1609	1273	471
20	Колежда	-640	-1167	-1279	1647	1516	1160	
21	Ругозеро	-716	-1198	-1314	1742	1628	1274	387
22	Воренжа	-820	-1249	-1356	1770	1639	1295	465
23	Надвойцы	-681	-1158	-1268	1778	1651	1322	585
24	Реболы	-794	-1245	-1358	1800	1682	1324	621
25	Сегежа	-733	-1179	-1291	1830	1704	1355	591
26	Паданы	-647	-1139	-1251	1772	1653	1264	501
27	Масельская	-698	-1178	-1293	1817	1705	1341	612
28	Морская Масельга	-716	-1188	-1297	1853	1728	1388	591
29	Данилово	-810	-1270	-1367	1799	1697	1311	557
30	Медвежьегорск	-720	-1172	-1281	1858	1737	1381	654
31	Кудам-Губа	-785	-1225	-1345	1829	1714	1344	617
32	Повенец	-730	-1148	-1259	1907	1774	1418	736
33	Совдозеро	-750	-1201	-1316	1784	1654	1284	485
34	Поросозеро	-791	-1238	-1344	1787	1676	1281	566
35	Шуньга	-641	-1072	-1187	2014	1885	1521	833
36	Куганаволок	-779	-1200	-1306	1921	1810	1465	760

Table 15

- | | |
|-----------------------|-----------------|
| 1. Chernaya River | 35. Shun'ga |
| 2. Chupa | 36. Kuganavolok |
| 3. Olanga | |
| 4. Loukhi | |
| 5. Gridino | |
| 6. Kesten'ga | |
| 7. Sof'yanga | |
| 8. Pil'dozero | |
| 9. Pon'goma | |
| 10. Ukhta | |
| 11. Kem', port | |
| 12. Panozero | |
| 13. Kem', city | |
| 14. Poduzhem'ye | |
| 15. Yushkozero | |
| 16. Zhuzhmuy, island | |
| 17. Raz-Navolok | |
| 18. Belomorsk | |
| 20. Kolezhma | |
| 21. Rugozero | |
| 22. Vorenzha | |
| 23. Nadvoytsy | |
| 24. Reboly | |
| 25. Segezha | |
| 26. Padany | |
| 27. Masel'skaya | |
| 28. Morskaya Masel'ga | |
| 29. Danilovo | |
| 30. Medvezh'yegorsk | |
| 31. Kudam-Guba | |
| 32. Povenets | |
| 33. Sovdozero | |
| 34. Porosozero | |

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Total of temperatures

No. of station № станции	Station Станция	Сумма температур						
		negative отрицательных			positive положительных			
		-10	-5	0	0	5	10	15
37	Спасская Губа . . .	-554	-1081	-1175	1961	1842	1450	700
38	Вяртсиля	-429	-1014	-1118	1956	1826	1467	706
39	Кондопога	-554	-1015	-1131	2038	1913	1553	813
40	Суоярви	-650	-1172	-1242	1878	1764	1375	615
41	Сенная Губа	-504	-975	-1104	2043	1915	1535	799
42	Янисъярви	-374	-954	-1068	1985	1864	1482	723
43	Сунтамо, Ленпя- сюръя	-402	-986	-1108	1978	1861	1500	681
44	Клименницы	-356	-905	-1014	1916	1758	1355	641
45	Петрозаводск, Сулаж-Гора	-465	-1014	-1113	1950	1810	1463	678
46	Петрозаводск, озеро	-324	-933	-1053	2002	1877	1492	738
47	Василисин	-592	-1044	-1124	1787	1616	1235	555
48	Теребовская	-676	-1110	-1216	2013	1891	1535	775
49	Пудож	-671	-1127	-1235	2031	1925	1552	822
50	Петрозаводск, город	-244	-941	-1051	2039	1901	1554	815
51	Колодозеро	-789	-1229	-1327	1955	1843	1460	742
52	Сортавала		-867	-982	2093	1971	1583	875
53	Пряжа	-549	-1047	-1159	1949	1833	1467	717
54	Импилахти	-161	-871	-984	1994	1849	1458	732
55	Палалахта	-546	-1036	-1149	1968	1853	1470	674
56	Валаам		-633	-787	2113	1966	1555	785
57	Ладва	-678	-1137	-1235	1939	1825	1430	666
58	Мантсинсаари . . .		-719	-864	2028	1879	1477	796
59	Ханхипааси, маяк		-528	-689	1807	1617	1119	340
60	Куриййоки		-804	-926	2096	1961	1598	785
61	Хейнялуото, маяк		-729	-865	1848	1678	1271	555
62	Хинтола, Хнекка- лахти		-774	-906	2007	1871	1449	644
63	Виллица	-368	-978	-1086	1962	1830	1463	713
64	Андрусово		-838	-963	2070	1957	1556	804
65	Олонец	-382	-1012	-1107	2039	1910	1567	732

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Table 15 (continued)

37. Spasskaya Guba
38. Vyartsilya
39. Kondopoga
40. Suoyarvi
41. Sennaya Guba
42. Yanis'yarvi
43. Suistamo, Leppyasyur'ya
44. Klimentitsy
45. Petrozavodsk, Sulazh-Gora
46. Petrozavodsk, lake
47. Vasilisin
48. Terebovskaya
49. Pudozh
50. Kolodozero
52. Sortavala
53. Pryazha
54. Impilakhti
55. Palalakhta
56. Valaam
57. Ladva
58. Mantsinsaari
59. Khankhipaasi, lighthouse/beacon
60. Kurkiyoki
61. Kheynyaluoto, lighthouse/beacon
62. Khiitola, Khiyekkalakhti
63. Vidlitsa
64. Andrusovo
65. Olonets

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ТАБЛИЦА 16

ДАТА ПЕРВОГО И ПОСЛЕДНЕГО ЗАМОРОЗКА И ПРОДОЛЖИТЕЛЬНОСТЬ БЕЗМОРОЗНОГО ПЕРИОДА

№ станции	Станция	Дата заморозка						Продолжительность безморозного периода (дни)			Процент лет	
		последнего			первого			средняя	наименьшая	наибольшая	с абсолютным безморозным периодом	с длительным безморозным периодом, прерываемым заморозками
		средняя	самая ранняя	самая поздняя	средняя	самая ранняя	самая поздняя					
1	Черная Река ¹	16 VI			23 VIII			67			12	12
2	Чупа ¹	29 V			7 IX			100				
3	Оланга ¹	7 VI			12 IX			96				
4	Лоуха ¹	8 VI			29 VIII			81		110	3	17
							23 IX 1940			1957		
5	Грядно	28 V	5 V 1920	13 VI 1942	28 IX		25 X 1930	122		172 1961		
6	Кестельга ¹	3 VI			13 IX			101				
7	Софьянга ¹	3 VI			12 IX			100				
8	Пильдозеро	30 V			24 IX		2 XI 1961	116		158 1961		
9	Поньгома ¹	26 V			22 IX			118				
10	Ухта ¹	6 VI			2 IX			87				
11	Кемь, порт	27 V	28 IV 1920	12 VI 1942	26 IX		25 X 1961	121		160 1922		
12	Панозеро ¹	29 V			7 IX			100				17
13	Кемь, город	5 VI	3 V 1920	12 VII 1935	7 IX	6 VIII 1906	6 X 1899	93	47 1908	138 1921		
14	Подуженье ¹	29 V			15 IX			108				
15	Юшкозеро ¹	31 V			1 IX		5 X 1955	92	36 1941	139 1957		4
16	Жуммуй, остров	27 V	27 IV 1920	13 VI 1942	12 X	26 IX 1915	9 XI 1961	137		111 1928	168 1904, 1961	
17	Раз-Наволоок	30 V	24 IV 1920	6 VII 1958	21 IX	26 VIII 1950	10 X 1924	113	64 1958	162 1920		
18	Беломорск ¹	28 V			26 IX			120				

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Table 16

DATES OF THE FIRST AND LAST FROST AND THE DURATION OF THE
FROST-FREE PERIOD

Key: (1) No. of station; (2) Station; (3) Date of frost;
(4) last; (5) first; (6) mean; (7) earliest; (8) latest;
(9) Duration of the frost-free period (days); (10) shortest;
(11) longest; (12) Percentage of years; (13) with the absence
of a frost-free period; (14) with a long frost-free period which
is interrupted by frosts; (15) Frosts are possible in July.

1. Chernaya River¹
2. Chupa¹
3. Olanga¹
4. Loukhi¹
5. Gridino
6. Kesten'ga¹
7. Sof'yanga¹
8. Pil'dozero
9. Pon'goma¹
10. Ukhta¹
11. Kem', port
12. Panozero¹
13. Kem', city
14. Poduzhem'ye¹
15. Yushkozero¹
16. Zhuzhmuy, island
17. Raz-Navolok
18. Belomorsk¹

Note: The key at the top of this page pertains to pages 106,
107 and 108 in the foreign-language text.

(15) Заморозки возможны в июле.

Table 16 (continued)

20. Kolehzhma¹
21. Rugozero
22. Vorenzha¹
23. Nadvoytsy
24. Reboly
25. Segezha
26. Padany
27. Masel'skaya
28. Morskaya Masel'ga¹
29. Danilovo¹
30. Medvezh'yegorsk¹
31. Kudam-Guba¹
32. Povenets¹
33. Sovdozero¹
35. Shun'ga
36. Kuganavolok
37. Spasskaya Guba¹
38. Vyartsilya¹
39. Kondopoga
40. Suoyarvi¹
41. Sennaya Guba
42. Yanis'yarvi
43. Suistamo, Leppyasyur'ya
44. Klimentitsy
45. Petrozavodsk, Sulaxh-Gora¹
46. Petrozavodsk, lake

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① № станции	② Станции	③ Дата заморозка						④ Продолжительность безморозного периода (дни)			⑤ Процент лет	
		⑥ последнего			⑦ первого			⑧ сред- няя	⑨ наи- мень- шая	⑩ наи- боль- шая	⑪ с отсут- ствием безмо- розного периода	⑫ с длитель- ным без- морозным периодом, прерывае- мым замо- розами
		⑬ средняя	⑭ самая ранняя	⑮ самая поздняя	⑬ средняя	⑭ самая ранняя	⑮ самая поздняя					
47	Василиси	5 VI			19 X			135				
48	Теребовская	22 V			25 IX			125				
49	Пудож	28 V	30 IV 1948	10 VI 1934, 1941	11 IX	9 VIII 1918	7 X 1957	105	71 1918	149 1948		
50	Петрозаводск, город	21 V	29 IV 1897	11 VI 1925	22 IX	2 IX 1902	9 X 1924	123	91 1891	153 1929		
51	Колодозеро	3 VI	11 V 1948		8 IX	5 VIII 1948	30 IX 1940	96				
52	Сортавала	18 V	30 IV 1921, 1934	10 VI 1955	24 IX	21 VIII 1949	17 X 1929	128				
53	Пряжа	25 V	30 IV 1948	9 VI 1941	25 IX		23 X 1950	122				
54	Импляхти	30 V			15 IX			107				
55	Паллахта	24 V		11 VI 1955	20 IX		24 X 1944	118		156 1948		
56	Валаам	11 V	23 IV 1950	1 VI 1907, 1916	17 X	24 IX 1902	17 XI 1917	158	118 1916	191 1897		
57	Ладва	31 V			6 IX			97				
58	Мантинсаари	25 V			6 X			133				
59	Хайнлааси, маяк	9 VI			18 X			130				
61	Хейнлаото, маяк	6 VI			15 X			130				
63	Видлица	30 V			17 IX			109				
64	Андрусово	23 V			6 X			135				
65	Оломец	27 V	30 IV 1948	11 VI 1941	14 IX	11 VIII 1926	24 X 1950	109				

⑬ Заморозки возможны в июле.

Table 16 (continued)

47. Vasilisin
48. Terebovskaya
49. Pudozh
50. Petrozavodsk, city
51. Kolodozero
52. Sortavala
53. Pryazha
54. Impilakhti
55. Palalakhta
56. Valaam
57. Ladva¹
58. Mantsinsaari
59. Khankhipaasi, lighthouse/beacon
61. Kheynyaluoto, lighthouse/beacon
63. Vidlitsa¹
64. Andrusovo
65. Olonets

ТАБЛИЦА 17

ВЕРОЯТНОСТЬ ЛЕТ С ЗАМОРОЗКАМИ РАЗЛИЧНОЙ ИНТЕНСИВНОСТИ
В ЗАВИСИМОСТИ ОТ СРЕДНЕЙ МИНИМАЛЬНОЙ ТЕМПЕРАТУРЫ
ВОЗДУХА ЗА ДЕКАДУ (%)

(a) Сезон	(b) Средняя минимальная температура воздуха за декаду															
	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
(e) Заморозки на поверхности почвы и травостоя																
(c) Весна						X	X	X	X	88	78	67	51	35	17	•
(d) Осень						X	X	X	X	62	73	60	43	26	12	•
(f) Слабые заморозки в воздухе (0° и ниже)																
(c) Весна				X	X	X	X	84	76	65	52	37	22	9	•	
(d) Осень				X	X	X	88	83	75	62	46	30	19	10	•	
(g) Сильные заморозки в воздухе (-3° и ниже)																
(c) Весна	X	X	88	81	72	62	51	40	27	16	7	•				
(d) Осень	X	X	89	82	76	65	56	44	33	22	14	•				

(h) Примечание. X — вероятность лет более 90%, • — вероятность лет менее 5%.

Table 17. Probability of years with frosts of various intensity depending on the average minimum temperature of air for a decade (o/o). (a) Season. (b) Average minimum air temperature for a decade. (c) Spring. (d) Fall. (e) Frosts on the surface of soil and grass. (f) Light frosts in air (0° and below). (g) Severe frosts in air (-3° and below). (h) Note: X — probability of years over 90 o/o, • — probability of years less than 5 o/o.

ТАБЛИЦА 18

**СРЕДНИЕ ДАТЫ НАСТУПЛЕНИЯ, ПРЕКРАЩЕНИЯ
И ПРОДОЛЖИТЕЛЬНОСТЬ УСТОЙЧИВЫХ МОРОЗОВ**

(a) № станции	(b) Станции	(c) Устойчивый мороз			(e)
		(d) наступ- ление	(e) прекраще- ние	продол- житель- ность (дни)	
1	Черная Река	12 XI	31 III	140	
2	Чупа	12 XI	26 III	135	
3	Оланга	14 XI	30 III	137	
4	Лоухи *	13 XI	30 III	138	
5	Гридино *	23 XI	28 III	126	
6	Кестеньга	14 XI	29 III	136	
7	Софьянга	12 XI	5 IV	145	
8	Пильдозеро	14 XI	31 III	138	
9	Поньгома	18 XI	26 III	129	
10	Ухта *	12 XI	30 III	139	
11	Кемь, порт	22 XI	24 III	102	
12	Панозеро	14 XI	29 III	136	
13	Кемь, город *	21 XI	22 III	122	
14	Подужемье	16 XI	26 III	131	
15	Юшкозеро *	16 XI	28 III	133	
16	Жужмуй, остров	24 XI	29 III	126	
17	Раз-Наволоок *	23 XI	25 III	123	
18	Беломорск	20 XI	27 III	128	
19	Кимасозеро	17 XI	24 III	128	
20	Колежма	21 XI	28 III	128	
21	Ругозеро	18 XI	22 III	125	
22	Воренжа	20 XI	26 III	127	
23	Надвойцы	20 XI	24 III	125	
24	Реболы *	18 XI	24 III	127	
25	Сегежа *	26 XI	25 III	120	
26	Паданы *	20 XI	24 III	125	
27	Масельская	17 XI	22 III	126	
28	Морская Масельга *	18 XI	21 III	124	

Table 18. Average data of onset, stop and duration of settled frosts. (a) No. of station. (b) Station. (c) Settled frost. (d) onset. (e) stop. (f) duration (days). 1. Chernaya Reka. 2. Chupa. 3. Olanga. 4. Loukhi*. 5. Gridino*. 6. Kesten'ga. 7. Sof'yanga. 8. Pil'dozero. 9. Pon'goma. 10. Ukhta*. 11. Kem', port. 12. Panozero. 13. Kem', city*. 14. Podujem'ye. 15. Yushkozero*. 16. Zhuzhmuy, ostrov. 17. Raz-Navolok*. 18. Belomorsk. 19. Kimasozero. 20. Kolehma. 21. Rugozero. 22. Vorenzha. 23. Nadvoytsy. 24. Reboiy*. 25. Segezha*. 26. Padany*. 27. Masel'skaya. 28. Morskaya Masel'ga.

№ станции	Станция	Устойчивый мороз		
		наступ- ление	прекраще- ние	продол- житель- ность (дни)
29	Данилово	18 XI	24 III	127
30	Медвежьегорск	23 XI	24 III	122
31	Кудам-Губа	18 XI	25 III	128
32	Повенец *	20 XI	20 III	121
33	Совдозеро	18 XI	24 III	127
34	Поросозеро	15 XI	21 III	127
35	Шуньга *	23 XI	24 III	122
36	Куганаволок	18 XI	21 III	124
37	Спасская Губа	24 XI	18 III	115
38	Вяртсиля	27 XI	13 III	107
39	Кондопога	29 XI	19 III	111
40	Суоярви	23 XI	19 III	117
43	Суистамо, Леппясюрья	28 XI	13 III	106
44	Клименцы	7 XII	17 III	101
45	Петрозаводск, Сулаж-Гора	22 XI	15 III	114
46	Петрозаводск, озеро	25 XI	18 III	114
48	Теребовская	27 XI	25 III	119
49	Пудож *	26 XI	20 III	115
50	Петрозаводск, город *	25 XI	17 III	113
51	Колодозеро	18 XI	20 III	123
52	Сортавала	5 XII	10 III	96
53	Пряжа	23 XI	15 III	113
54	Импilahти	5 XII	11 III	97
55	Палалахта	4 XII	19 III	106
56	Валаам *	12 XII	17 III	96
57	Ладва	23 XI	21 III	119
58	Мантсисаари	13 XII	10 III	88
59	Ханхипааси, маяк	20 XII	8 III	79
60	Куркийоки	6 XII	10 III	95
62	Хиитола, Хиеккалаhti	5 XII	7 III	93
64	Андрусово	7 XII	15 III	99
65	Олонец *	6 XII	19 III	104

Примечание. Звездочкой отмечены станции, для которых данные получены подсчетом. Для остальных станций данные получены косвенным путем. Возможная ошибка ± 3 дня (не более).

29. Danilovo. 30. Medvezh'yegorsk. 31. Kudam-Guba. 32. Povenets*. 33. Sovdozero. 34. Porosozero. 35. Shun'ga*. 36. Kuganavolok. 37. Spasskaya Guba. 38. Vyantsilya. 39. Kondopoga. 40. Suoyarvi. 43. Suistamo, Leppyaşur'ya. 44. Klimenitsy. 45. Petrozavodsk, Sulazh-Gora. 46. Petrozavodsk, ozero. 48. Terebovskaya. 49. Pudozh*. 50. Petrozavodsk, gorod*. 51. Kolodozero. 52. Sortavala. 53. Pryazha. 54. Impilakhti. 55. Palalakhta. 56. Valaam*. 57. Ladva. 58. Mantsinsaari. 59. Khankhipaasi, mayak. 60. Kurkiyoki. 62. Khiitola, Khyekkalakhti. 64. Andrusovo. 65. Olonets*.

Note. Asterisks note the stations, for which data are obtained by calculation. For the remaining stations the data are obtained indirectly. Possible error ± 3 days (not more).

ТАБЛИЦА 19

ПОВТОРЯЕМОСТЬ МОРОЗНЫХ ПЕРИОДОВ РАЗЛИЧНОЙ НЕПРЕРЫВНОЙ ПРОДОЛЖИТЕЛЬНОСТИ (%). СРЕДНЯЯ ПРОДОЛЖИТЕЛЬНОСТЬ, СРЕДНЯЯ ИЗ НАИБОЛЬШИХ И НАИБОЛЬШАЯ НЕПРЕРЫВНАЯ ПРОДОЛЖИТЕЛЬНОСТЬ МОРОЗНЫХ ПЕРИОДОВ (ДНИ)

(a) № станции	(b) Станция	(c) Продолжительность (дни)										(d) Средняя	(e) Средняя из наибольших	(f) Наибольшая
		1-2	3-5	6-10	11-20	21-30	31-40	41-50	51-70	71-100	101-150			
4	Лоухи	39.6	21.9	12.2	12.2	5.6	2.9	2.2	2.0	1.2	0.2	11	32	103
11	Кемь, порт	42.6	21.7	12.8	11.8	4.5	2.6	0.8	2.6	0.6		9	49	97
25	Сегежа	44.4	18.9	15.9	10.6	3.8	2.8	0.8	1.8	1.0		9	49	96
26	Паданы	44.6	18.7	15.3	10.7	3.4	2.6	1.7	2.6	0.4		9	47	86
30	Медвежьегорск	41.2	19.7	16.8	11.0	4.0	3.3	1.4	2.1	0.5		9	46	93
39	Кондопога	40.3	21.1	16.2	10.2	5.7	3.7	1.3	1.3	0.2		9	39	76
49	Пудож	41.8	20.8	14.2	12.1	4.2	2.4	1.3	2.3	0.9	0.2	10	51	102

Table 19. Repetition of frost periods of various continuous duration (o/o). Average duration, average of the most and least continuous duration of frost periods (days). (a) No. of station. (b) Station. (c) Duration (days). (d) Average. (e) Average of most. (f) Most.

4. Loukhi. 11. Kem', port. 25. Segezha. 26. Padany. 30. Medvezh'yegorsk. 39. Kondopoga. 49. Pudozh.

ТАБЛИЦА 19а

ПОВТОРЯЕМОСТЬ ПЕРИОДОВ С ОТПЕПЕЛЬЮ РАЗЛИЧНОЙ НЕПРЕРЫВНОЙ ПРОДОЛЖИТЕЛЬНОСТИ (%) И ИХ СРЕДНЯЯ НЕПРЕРЫВНАЯ ПРОДОЛЖИТЕЛЬНОСТЬ (ДНИ)

(a) № станции	(b) Станция	(c) Продолжительность (дни)							(d) Средняя
		1-2	3-5	6-10	11-20	21-30	31-40		
4	Лоухи	47.9	30.1	13.3	6.5	1.7	0.5		4
11	Кемь, порт	46.1	31.6	14.0	6.7	1.3	0.3		4
25	Сегежа	47.5	28.5	15.8	6.1	1.9	0.2		4
26	Паданы	49.2	26.9	15.0	7.3	1.2	0.4		4
30	Медвежьегорск	51.4	26.1	14.2	6.1	2.0	0.2		4
39	Кондопога	49.3	24.5	17.0	7.3	1.4	0.5		4
49	Пудож	50.1	27.1	14.6	5.7	2.1	0.4		4

Table 19a. Repetition of periods with thawing of various continuous duration (o/o) and their average continuous duration (days). (a) No. of station. (b) Station. (c) Duration (days). (d) Average. 4. Loukhi. 11. Kem', port. 25. Segezha. 26. Padany. 30. Medvezh'yegorsk. 39. Kondopoga. 49. Pudozh.

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ТАБЛИЦА 19б

ПОВТОРЯЕМОСТЬ ЧИСЛА ДНЕЙ С РАЗЛИЧНОЙ МАКСИМАЛЬНОЙ ТЕМПЕРАТУРОЙ ПРИ ОТТЕПЕЛЯХ (%)

(а) № станции	(б) Станция	(в) Максимальная температура																
		0.1—0.9	1.0—1.9	2.0—2.9	3.0—3.9	4.0—4.9	5.0—5.9	6.0—6.9	7.0—7.9	8.0—8.9	9.0—9.9	10.0—10.9	11.0—11.9	12.0—12.9	13.0—13.9	14.0—14.9	15.0—15.9	16.0—16.9
4	Лоухи	20.5	22.5	17.0	12.7	9.4	6.4	5.0	2.6	1.8	0.9	0.5	0.4	0.2		0.1		
25	Сегежа	23.0	23.0	16.5	12.1	8.5	6.7	3.8	2.7	1.8	0.8	0.5	0.2	0.1	0.1	0.1	0.1	
26	Паданы	19.8	23.7	14.8	11.7	9.4	6.2	4.2	3.3	2.0	2.0	1.0	0.7	0.4	0.3	0.2	0.2	0.1
30	Медвежьегорск	24.2	22.6	16.5	10.6	7.8	6.0	4.6	2.6	2.4	1.0	0.8	0.4	0.1	0.1	0.1	0.1	0.1
39	Кондопога	22.9	24.8	17.0	10.8	7.8	6.1	4.2	2.4	1.7	0.8	0.8	0.2	0.1	0.2	0.1	0.1	

Table 19b. Repetition of the number of days with different maximum temperature during thaws (o/o). (a) No. of station. (b) Station. (c) Maximum temperature. 4. Loukhi. 25. Segezha. 26. Padany. 30. Medvezh'yegorsk. 39. Kondopoga.

**СРЕДНЕЕ ЧИСЛО ДНЕЙ С ОТРИЦАТЕЛЬНОЙ ТЕМПЕРАТУРОЙ
ВО ВСЕ ЧАСЫ СУТОК (МАКС. ≤ 0), С ПЕРЕХОДОМ ТЕМПЕРАТУРЫ ЧЕРЕЗ 0°
(МАКС. > 0 , МИН. ≤ 0) И С ПОЛОЖИТЕЛЬНОЙ ТЕМПЕРАТУРОЙ
ВО ВСЕ ЧАСЫ СУТОК (МИН. > 0)**

(a) Температура	VII	VIII	IX	X	XI	XII	I	II	III	IV	V	VI
-----------------	-----	------	----	---	----	-----	---	----	-----	----	---	----

(b)

4. Лоухи

(e) Макс. ≤ 0	(d)	0.0	0.0	0.0	5.4	16.8	23.6	27.6	25.7	23.3	7.9	0.7	0.0
(c) Макс. > 0 , мин. ≤ 0		0.4	0.9	6.9	12.9	9.0	6.7	3.2	2.4	7.2	16.9	14.7	2.0
(d) Мин. > 0		30.6	30.1	23.1	12.7	4.2	0.7	0.2	0.1	0.5	5.2	15.6	28.0

(e)

11. Кемь, порт

(e) Макс. ≤ 0	(d)	0.0	0.0	0.0	3.2	15.3	23.4	27.1	25.4	21.8	8.1	1.3	0.0
(c) Макс. > 0 , мин. ≤ 0		0.0	0.0	1.9	11.4	9.2	6.6	3.5	2.5	8.4	16.0	10.7	0.6
(d) Мин. > 0		31.0	31.0	28.1	16.4	5.5	1.0	0.4	0.2	0.8	5.9	19.0	29.4

(f)

16. Жужмуй, остров

(e) Макс. ≤ 0	(d)	0.0	0.0	0.0	2.3	14.2	24.2	27.8	26.4	23.6	9.2	1.7	0.03
(c) Макс. > 0 , мин. ≤ 0		0.0	0.0	0.2	8.0	9.8	6.1	2.9	1.8	6.7	13.9	9.7	0.6
(d) Мин. > 0		31.0	31.0	29.8	20.7	6.0	0.7	0.3	0.02	0.7	6.9	19.6	29.4

(g)

25. Сегежа

(e) Макс. ≤ 0	(d)	0.0	0.0	0.0	3.8	14.9	22.7	26.5	24.9	21.7	5.7	0.3	0.0
(c) Макс. > 0 , мин. ≤ 0		0.03	0.03	2.2	10.4	9.2	7.4	4.1	3.3	8.6	16.7	10.5	1.1
(d) Мин. > 0		31.0	31.0	27.8	16.8	5.9	0.9	0.4	0.1	0.7	7.6	20.2	28.9

(h)

26. Паданы

(e) Макс. ≤ 0	(d)	0.0	0.0	0.0	3.9	15.0	23.4	26.6	25.1	20.5	6.2	0.5	0.0
(c) Макс. > 0 , мин. ≤ 0		0.0	0.1	2.1	11.3	9.5	6.6	4.1	2.7	9.7	17.0	10.5	0.8
(d) Мин. > 0		31.0	30.9	27.9	15.8	5.5	1.0	0.3	0.2	0.8	6.8	20.0	29.2

(i)

30. Медвежьегорск

(e) Макс. ≤ 0	(d)	0.0	0.0	0.0	3.5	14.4	22.8	26.5	25.0	20.6	4.5	0.2	0.0
(c) Макс. > 0 , мин. ≤ 0		0.03	0.2	3.2	11.1	8.9	7.0	4.1	3.2	9.7	19.3	11.7	1.3
(d) Мин. > 0		31.0	30.8	26.8	16.4	6.7	1.2	0.4	0.1	0.7	6.2	19.1	28.7

(j)

49. Пудож

(e) Макс. ≤ 0	(d)	0.0	0.0	0.02	2.8	14.7	23.7	26.7	24.9	20.1	3.0	0.2	0.0
(c) Макс. > 0 , мин. ≤ 0		0.0	0.2	3.9	12.6	8.8	6.1	3.9	3.1	9.5	17.7	8.2	0.8
(d) Мин. > 0		31.0	30.8	26.1	15.6	6.5	1.2	0.4	0.1	1.4	9.3	22.6	29.2

(k)

65. Олонец

(e) Макс. ≤ 0	(d)	0.0	0.0	0.0	1.9	11.2	20.3	23.9	23.7	18.0	2.8	0.0	0.0
(c) Макс. > 0 , мин. ≤ 0		0.0	0.1	3.8	11.3	10.3	8.3	6.5	4.0	11.5	18.4	8.0	1.0
(d) Мин. > 0		31.0	30.9	26.2	17.8	8.5	2.4	0.6	0.3	1.5	8.8	23.0	29.0

Table 20. Average number of days with minus temperature all hours of the day ($\text{Max} \leq 0$), with passage of temperature through 0° ($\text{Max} > 0$, $\text{Min} \leq 0$) and with plus temperatures all hours of the day ($\text{Min} > 0$). (a) Temperature. (b) Loukhi. (c) Max. (d) Min. (e) Kem', port. (f) Zhuzhmuy, ostrov. (g) Segezha. (h) Padany. (i) Medvezh'yegorsk. (j) Pudozh. (k) Olonets.

РАСЧЕТНАЯ ТЕМПЕРАТУРА САМОЙ ХОЛОДНОЙ ПЯТИДНЕВКИ,
РАСЧЕТНАЯ ЗИМНЯЯ ВЕНТИЛЯЦИОННАЯ ТЕМПЕРАТУРА,
СРЕДНЯЯ ТЕМПЕРАТУРА ОТОПИТЕЛЬНОГО ПЕРИОДА
И ЕГО ПРОДОЛЖИТЕЛЬНОСТЬ

(a) № станции	(b) Станция	(c) Расчетная температура		(d) Отопительный период	
		(e) самой холодной пятидневки	(f) зимняя вентиля- ционная	(g) средняя темпе- ратура	(h) продолжи- тельность (сутки)
1	Черная Река	-28	-17	-4.4	269
2	Чупа	-28	-16	-4.1	264
3	Оланга	-28	-17	-4.1	265
4	Лоухи	-28	-16 *	-4.3	267
5	Гридино	-27	-15	-3.4	264
6	Кестеньга	-28	-16	-4.1	266
7	Софьянга	-29	-17	-4.6	266
8	Пильдозеро	-28	-16	-4.1	263
9	Поньгома	-27	-15	-3.5	265
10	Ухта	-28	-17	-4.4	258
11	Кемь, порт	-26	-15 *	-3.5	260
12	Панозеро	-28	-16	-4.2	260
13	Кемь, город	-27	-15 *	-3.7	256
14	Подужемье	-27	-16	-3.8	262
15	Юшкозеро	-28	-16	-4.2	255
16	Жужмуй, остров	-26	-14	-2.8	260
17	Раз-Наволоок	-27	-15	-3.7	257
18	Беломорск	-27	-15	-3.6	257
19	Кимасозеро	-27	-16	-3.9	256
20	Колежма	-27	-16	-3.7	259
21	Ругозеро	-27	-16	-4.0	252
22	Воренжа	-28	-16	-4.2	251
23	Надвойцы	-27	-16	-4.2	251
24	Реболы	-28	-16	-4.2	252
25	Сегежа	-31	-15 *	-4.0	249
26	Паданы	-29 *	-15 *	-3.7	252
27	Масельская	-31	-16	-3.9	250
28	Морская Масельга	-31	-16	-3.9	249

Table 21. Calculated temperature of the coldest five-day period, calculated winter ventilation temperature, average temperature of heating period and its duration. (a) No. of station. (b) Station. (c) Calculated temperature. (d) Heating period. (e) coldest five-day period. (f) winter ventilation. (g) average temperature. (h) duration (days). 1. Chernaya Reka. 2. Chupa. 3. Olanga. 4. Loukhi. 5. Gridano. 6. Ksten'ga. 7. Sof'yanga. 8. Fil'dozero. 9. Pon'goma. 10. Ukhta. 11. Kem', port. 12. Panozero. 13. Kem', gorod. 14. Poduzhem'ye. 15. Yushkozero. 16. Zhuzhmuy, ostrov. 17. Raz-Navolok. 18. Belomorsk. 19. Kimasozero. 20. Kolehma. 21. Rugozero. 22. Vorenzha. 23. Nadvoytsy. 24. Reboly. 25. Segezha. 26. Padany. 27. Masel'skaya. 28. Morskaya Masel'ga.

№ станции	Станция	Расчетная температура		Отопительный период	
		самой холодной пятидневки	зимняя вентиляционная	средняя температура	продолжительность (сутки)
29	Данилово	—31	—17	—4.1	252
30	Медвежьегорск	—31	—15 *	—4.0	251
31	Кудам-Губа	—28	—16	—4.2	249
32	Повенец	—31	—16	—3.8	247
33	Совдозеро	—31	—16	—4.0	251
34	Поросозеро	—28	—16	—3.7	253
35	Шуньга	—30	—15	—3.6	241
36	Куганаволок	—31	—16	—4.1	246
37	Спасская Губа	—30	—15	—3.3	247
38	Вяртсиля	—26	—15	—3.4	241
39	Кондопога	—30	—15	—3.4	239
40	Суоярви	—27	—15	—3.8	245
41	Сейная Губа	—30	—15	—3.3	238
42	Янисъярви	—26	—14	—3.1	241
43	Суйтамо, Леппяскюря . .	—26	—14	—3.3	239
44	Клименцы	—29	—14	—2.6	248
45	Петрозаводск, Сулаж-Гора	—30	—15	—3.3	242
46	Петрозаводск, озеро . . .	—29	—14	—3.0	240
47	Василиси	—30	—16	—2.9	257
48	Теребовская	—30	—16	—3.8	239
49	Пудож	—30	—15 *	—4.0	236
50	Петрозаводск, город . . .	—29	—14	—2.9	237
51	Колодозеро	—32	—17	—4.2	242
52	Сортавала	—25 *	—14 *	—2.8	235
53	Пряжа	—30	—15	—3.6	240
54	Импилахти	—26	—14	—2.6	242
55	Палалахта	—26	—15	—3.5	240
56	Валаам	—24	—12	—2.4	236
57	Ладва	—30	—16	—3.8	242
58	Мамтенисаари	—25	—13	—2.0	242
59	Ханхипааси, маяк	—24	—12	—2.0	258
60	Куркийоки	—25	—13	—2.6	234
61	Хейнялуото, маяк	—25	—13	—1.8	252
62	Хинтола, Хнеккалаhti . . .	—25	—13	—2.2	241
63	Видлица	—26	—14	—3.1	241
64	Андрусово	—25	—14	—2.6	239
65	Олонец	—26	—14 *	—3.4	238

Примечание. Звездочка (*) означает, что данные взяты подсчетом.

29. Danilovo. 30. Medvezh'yegorsk. 31. Kudam-Guba. 32. Povenets. 33. Sovdozero. 34. Porosozero. 35. Shun'ga. 36. Kuganavolok. 37. Spasskaya Guba. 38. Vyantsilya. 39. Kondopoga. 40. Suoyarvi. 41. Sennaya Guba. 42. Yanis"yarvi. 43. Suistamo, Leppyasyur'ya. 44. Klimentitsy. 45. Petrozavodsk, Sudazh-Gora. 46. Petrozavodsk, ozero. 47. Vasilisin. 48. Terebovskaya. 49. Pudozh. 50. Petrozavodsk, gorod. 51. Kolodozero. 52. Sortavala. 53. Pryazha. 54. Impilakhti. 55. Palalakhta. 56. Valaam. 57. Lavda. 58. Mantsinsaari. 59. Khankhipaasi. 60. Kurkiyoki. 61. Kheynyaluoto, mayak. 62. Kiiitola, Kiiyekkalakhti. 63. Vidlitsa. 64. Andrusovo. 65. Olanets.

Note. Asterisk (*) means that data is taken by calculation.

ТАБЛИЦА 22

ЧИСЛО ДНЕЙ СО СРЕДНЕЙ СУТОЧНОЙ ТЕМПЕРАТУРОЙ ВОЗДУХА В РАЗЛИЧНЫХ ПРЕДЕЛАХ
ПРИ ОПРЕДЕЛЕННЫХ ЗНАЧЕНИЯХ СРЕДНЕЙ МЕСЯЧНОЙ ТЕМПЕРАТУРЫ

(a)

Средняя
месячная
темпе-
ратура

(b)

Температура (от-до)

-54.9	-49.9	-44.9	-39.9	-34.9	-29.9	-24.9	-19.9	-14.9	-9.9	-4.9	0.1	5.1	10.1	15.1	20.1	25.1
-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0	20.0	25.0	30.0

(c)

Январь

(d)

Северный (I) и центральный (II) районы

-14	•	0.2	0.7	1.9	3.7	5.9	7.8	7.4	3.3	0.1						
-13	•	0.1	0.5	1.9	3.1	5.3	7.8	7.4	4.7	0.2						
-12	•	0.1	0.4	1.3	2.8	5.0	7.5	7.4	6.0	0.5						
-11		0.1	0.3	1.1	2.5	4.7	6.8	7.4	7.0	1.1						
-10		0.1	0.2	0.8	2.3	4.3	6.2	7.8	7.1	2.2						
-9		•	0.2	0.7	1.9	3.7	5.9	7.8	7.4	3.3	0.1					
-8		•	0.1	0.5	1.7	3.3	5.9	7.2	7.1	5.0	0.2					

(e)

Южный (III) район

-12	•	•	•	0.2	0.7	1.8	2.8	4.3	6.8	7.8	6.0	0.6				
-11	•	•	•	0.2	0.6	1.6	2.6	3.7	6.8	7.4	7.0	1.1				
-10	•	•	•	0.2	0.5	1.3	2.1	3.7	5.9	8.1	7.0	2.3				
-9		•	•	0.1	0.3	1.1	2.1	3.1	5.6	7.8	7.4	3.4	0.1			
-8		•	•	0.1	0.2	0.9	1.9	3.1	4.6	7.8	7.4	4.8	0.2			

(f)

Февраль

-13			0.1	0.3	1.1	3.2	5.3	7.3	7.9	2.7	0.1					
-12			0.1	0.2	1.1	2.5	5.1	6.7	8.1	3.9	0.3					
-11			•	0.2	0.8	2.4	4.2	6.4	8.1	5.1	0.8					
-10			•	0.1	0.5	2.1	3.7	6.4	7.9	5.9	1.4					
-9			•	0.1	0.5	1.7	3.4	5.6	7.8	6.7	2.2					
-8			•	0.1	0.3	1.3	3.1	5.3	7.3	7.8	2.7	0.1				

Table 22. Number of days with average daily temperature of air
in various limits with certain values of average monthly
temperature. (a) Average monthly temperature. (b) Temperature
(from-to). (c) January. (d) Northern (I) and central (II)
regions. (e) Southern (III) regions. (f) February.

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Средняя месячная темпе- ратура	Температура (от—20)																
	-54.9	-49.9	-44.9	-39.9	-34.9	-29.9	-24.9	-19.9	-14.9	-9.9	-4.9	0.1	5.1	10.1	15.1	20.1	25.1
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0	20.0	25.0	30.0

(a)

Март

-10	•	04	18	43	71	93	70	11	
-9	•	02	13	40	62	93	81	19	
-8		01	10	32	62	87	87	31	
-7		01	07	28	57	77	93	46	01
-6	•	05	22	50	78	96	56	03	
-5	•	04	17	45	71	96	65	12	

(b)

Апрель

-2	•	02	14	62	114	88	19	01	
-1	•	01	11	45	105	111	25	02	
0		01	07	35	96	120	37	04	
1		01	05	25	90	120	52	07	
2		•	03	21	72	120	70	13	01

(c)

Май

3	•	12	68	130	73	26	01	
4	•	06	53	127	87	34	03	
5		02	41	115	99	45	08	
6	•		29	107	109	53	12	•
7	•		18	90	121	63	18	
8	•		12	71	127	76	23	01
9			06	53	127	87	35	02

(d)

Июнь

9					08	55	105	106	25	01
10					04	44	96	108	46	02
11					02	32	92	108	62	04

(a) March. (b) April. (c) May. (d). June.

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Средняя месячная темпе- ратура	Температура (от—до)															
	-54.9	-49.9	-44.9	-39.9	-34.9	-29.9	-24.9	-19.9	-14.9	-9.9	-4.9	0.1	5.1	10.1	15.1	20.1
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0	20.0	25.0
12											0.1	2.0	8.7	10.8	7.6	0.8
13											•	1.3	7.1	10.8	9.5	1.3
14											•	0.8	5.5	10.5	10.5	2.6
(a) Июль																
13												0.1	7.4	14.2	8.4	0.9
14												•	5.0	13.6	10.9	1.5
15												•	2.5	13.0	12.4	3.0
16												•	0.9	11.5	13.7	4.7
17													0.2	9.8	13.9	6.7
(b) Август																
12												0.3	9.0	15.5	6.0	0.2
13												0.1	6.1	15.8	8.4	0.6
14												•	4.0	14.9	10.9	1.2
15												•	2.2	13.3	13.3	2.1
(c) Сентябрь																
6												•	1.5	11.4	13.8	3.2
7												•	0.7	9.2	15.3	4.5
8												•	0.2	7.0	15.6	6.6
9												•	0.1	4.4	14.1	10.2
10												•	2.4	12.6	12.9	2.0
11												•	1.5	11.4	13.8	3.2
(d) Октябрь																
-1												•	0.6	5.3	11.5	11.5
0												•	0.3	4.0	11.2	12.4
1												•	0.1	2.7	9.6	13.3

(a) July. (b) August. (c) September. (d) October.

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Средняя месячная темпе- ратура	Температура (от -40)															
	-54.9	-49.9	-44.9	-39.9	-34.9	-29.9	-24.9	-19.9	-14.9	-9.9	-4.9	0.1	5.1	10.1	15.1	20.1
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0	20.0	25.0

2																
3																
4																
5																

(a) Ноябрь

-5																
-4																
-3																
-2																
-1																
0																
1																

(b) Декабрь

-11																
-10																
-9																
-8																
-7																
-6																
-5																
-4																
-3																

(c) Примечание. Точка (•) означает, что число дней в соответствующей градации температуры менее 0.1 дня. С февраля по декабрь данные приводятся для всей территории.

(a) November. (b) December. (c) Note. Point (•) means that the number of days in the corresponding temperature gradation is less than 0.1 day. From February to December the data are provided for the entire territory.

ЧИСЛО ДНЕЙ С МИНИМАЛЬНОЙ ТЕМПЕРАТУРОЙ ВОЗДУХА В РАЗЛИЧНЫХ ПРЕДЕЛАХ
ПРИ ОПРЕДЕЛЕННЫХ ЗНАЧЕНИЯХ СРЕДНИХ МИНИМУМОВ

(a)

Средний
минимум

(b) Температура (от-до)

-59.9 -55.0	-54.9 -50.0	-49.9 -45.0	-44.9 -40.0	-39.9 -35.0	-34.9 -30.0	-29.9 -25.0	-24.9 -20.0	-19.9 -15.0	-14.9 -10.0	-9.9 -5.0	-4.9 0.0	0.1 5.0	5.1 10.0	10.1 15.0	15.1 20.0	20.1 25.0	25.1 30.0
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(c) Январь

(d) Северный (I) и центральный (II) районы

-19			0.1	0.4	1.1	2.1	3.7	5.3	6.8	6.5	4.3	0.7					
-18			•	0.2	1.0	1.9	3.4	4.7	6.8	6.8	5.1	1.1	•				
-17			•	0.2	0.7	1.8	3.1	4.5	6.5	6.8	5.6	1.8	•	•			
-16			•	0.1	0.7	1.5	2.7	4.3	6.2	6.8	6.1	2.6		•	•		
-15				0.1	0.5	1.4	2.3	3.7	6.2	6.9	6.2	3.3	0.4	•	•		
-14				0.1	0.4	1.2	2.1	3.7	5.3	6.8	6.5	4.2	0.7	•	•		
-13				•	0.2	1.0	1.9	3.4	4.7	6.8	6.8	5.1	1.1	•	•		
-12				•	0.2	0.8	1.7	3.2	4.3	6.5	6.8	5.6	1.8	0.1	•		
-11				•	0.1	0.7	1.6	2.6	4.3	6.2	6.8	6.0	2.5	0.2	•		

(e) Южный (III) район

-16	•	0.1	0.1	0.2	0.8	1.7	2.7	4.0	4.7	6.2	7.4	3.1					
-15	•	0.1	0.1	0.2	0.6	1.6	2.8	3.4	4.5	5.9	6.8	4.9	0.1				
-14		0.1	0.1	0.1	0.5	1.3	2.6	3.1	4.3	5.9	6.8	5.9	0.3				
-13		•	0.1	0.1	0.4	1.1	2.3	3.1	4.0	5.6	6.8	6.7	0.8				
-12		•	0.1	0.1	0.3	0.9	2.0	3.1	4.0	5.0	6.5	7.4	1.6				
-11		•	0.1	0.1	0.2	0.8	1.6	2.8	4.0	4.7	6.2	7.4	3.1				
-10		•	0.1	0.1	0.2	0.7	1.6	2.8	3.4	4.6	5.9	6.8	4.7	0.1			

(f) Февраль

-19			0.1	0.3	0.9	2.1	3.6	5.0	5.9	5.9	3.2	1.0					
-18			•	0.2	0.7	1.7	3.5	4.5	6.2	6.0	3.8	1.4	•				

Table 23. Number of days with minimum air temperature in various limits with certain values of average minimums. (a) Average minimum. (b) Temperature (from-to). (c) January. (d) Northern (I) and central (II) regions. (e) Southern (III) region. (f) February.

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Средний минимум	Температура (от—до)																	
	—59.9 —55.0	—54.9 —50.0	—49.9 —45.0	—44.9 —40.0	—39.9 —35.0	—34.9 —30.0	—29.9 —25.0	—24.9 —20.0	—19.9 —15.0	—14.9 —10.0	—9.9 —5.0	—4.9 0.0	0.1 5.0	5.1 10.0	10.1 15.0	15.1 20.0	20.1 25.0	25.1 30.0
—17			•	0.1	0.5	1.5	3.1	4.5	5.9	5.9	4.5	1.9	0.1					
—16			•	0.1	0.4	1.4	2.5	4.2	5.6	6.2	5.1	2.2	0.3					
—15			•	0.1	0.3	1.0	2.5	3.9	5.3	6.2	5.3	2.8	0.6					
—14				0.1	0.2	0.9	2.1	3.7	5.0	5.9	5.6	3.5	1.0					
—13			•		0.2	0.7	1.7	3.5	4.8	6.2	5.9	3.6	1.4					
—12			•		0.2	0.5	1.5	3.1	4.5	5.9	5.9	4.5	1.8	0.1				
—11			•		0.1	0.4	1.3	2.6	4.2	5.9	5.9	5.1	2.2	0.3				
(a) Март																		
—16			•	0.4	1.6	2.9	4.7	5.9	7.4	6.5	1.6							
—15			•	0.3	1.3	2.8	4.3	5.3	7.4	6.8	2.8							
—14			•	0.2	1.1	2.5	4.0	5.0	7.1	6.8	4.3							
—13			•	0.1	0.8	2.0	4.0	4.7	6.7	7.1	5.6	•						
—12				0.1	0.6	1.8	3.4	4.7	6.2	7.4	6.2	0.6						
—11			•		0.4	1.5	3.0	4.7	5.9	7.4	6.5	1.5						
—10			•		0.3	1.3	2.8	4.3	5.3	7.4	6.8	2.8						
—9			•		0.2	1.1	2.5	4.0	5.3	6.8	6.8	4.3						
—8			•		0.1	0.7	2.1	3.9	5.0	6.5	7.1	5.6	•					
(b) Апрель																		
—8			•	0.1	0.4	1.0	2.4	5.7	9.6	9.3	1.5	•						
—7			•	0.3	0.9	2.0	4.8	8.7	10.7	2.5	0.1							
—6			•	•	0.2	0.8	1.8	4.1	7.8	11.1	4.0	0.2						
—5				•	0.2	0.6	1.6	3.3	7.2	11.1	5.6	0.4						
—4				•	0.1	0.5	1.3	2.9	6.0	10.8	7.4	1.0						
—3				•	0.1	0.4	1.0	2.4	5.7	9.6	9.3	1.5	•					
—2				•	0.1	0.3	0.9	2.0	4.8	8.7	10.8	2.3	0.1					
—1				•	•	0.2	0.8	1.8	3.8	8.1	11.1	4.0	0.2					

(a) March. (b) April.

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Средний минимум	Температура (от—10)																	
	-59.9 -55.0	-54.9 -50.0	-49.9 -45.0	-44.9 -40.0	-39.9 -35.0	-34.9 -30.0	-29.9 -25.0	-24.9 -20.0	-19.9 -15.0	-14.9 -10.0	-9.9 -5.0	-4.9 0.0	0.1 5.0	5.1 10.0	10.1 15.0	15.1 20.0	20.1 25.0	25.1 30.0

(a) Май

-2	•	01	06	61	155	76	11	•	
-1	•	•	04	39	152	96	18	01	
0	•	•	02	25	140	112	29	02	
1	•	•	01	15	117	130	43	04	
2	•	•	01	10	88	146	59	06	•
3	•	•	01	06	61	152	79	11	•
4	•	•	•	04	39	155	93	18	01

(b) Июнь

4	•	05	52	123	99	21	•	
5	•	02	37	111	117	32	01	
6	•	•	27	99	126	45	03	
7	•	•	15	87	129	63	06	
8	•	•	08	67	129	84	12	•
9	•	•	04	52	123	99	21	01
10	•	•	02	37	114	114	32	01

(c) Июль

7	•	09	78	152	66	05	
8	•	05	60	149	87	09	
9	•	02	41	143	107	17	
10	•	01	27	127	127	28	•
11	•	•	17	104	143	44	02
12	•	•	09	81	149	66	05
13	•	•	05	60	149	87	09

(a) May. (b) June. (c) July.

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Средний минимум	Температура (от -20)																	
	-59.9	-54.9	-49.9	-44.9	-39.9	-34.9	-29.9	-24.9	-19.9	-14.9	-9.9	-4.9	0.1	5.1	10.1	15.1	20.1	25.1
	-55.0	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0	20.0	25.0	30.0

(a) Август

5	0.2	2.8	11.9	13.6	24	0.1	•
6	0.1	1.8	9.3	15.5	4.2	0.1	•
7	•	1.1	7.3	16.4	5.9	0.3	•
8	•	0.6	5.6	15.9	8.3	0.6	•
9	•	0.3	4.0	14.0	11.3	1.4	•
10	•	0.1	2.9	11.8	13.8	2.3	0.1
11	•	0.1	1.8	9.3	15.8	3.9	0.1
12	•	•	1.1	7.6	15.8	6.2	0.3
13	•	•	0.6	5.6	15.8	8.4	0.6

(b) Сентябрь

1	0.1	2.0	9.9	13.2	4.6	0.2
2	•	1.2	8.4	13.2	6.8	0.4
3	•	0.7	6.5	13.5	8.4	0.9
4	•	0.4	4.4	13.2	10.2	1.8
5	•	0.2	3.1	12.3	11.4	2.9
6	•	0.1	2.0	10.5	12.6	4.6
7	•	•	1.2	8.1	13.8	6.5
8	•	•	0.7	6.2	14.1	8.1

(c) Октябрь

4	•	0.1	0.5	2.5	9.3	12.7	5.6	0.3
3	•	•	0.4	2.0	7.8	12.7	7.3	0.8
2	•	•	0.3	1.5	6.0	12.7	9.1	1.4
1	•	•	0.2	1.1	4.2	11.8	11.2	2.5
0	•	•	0.1	0.8	3.1	10.8	12.1	4.0

(a) August. (b) September. (c) October.

Средний минимум	Температура (от -40)														
	-50.9	-54.9	-49.9	-44.9	-39.9	-34.9	-29.9	-24.9	-19.9	-14.9	-9.9	-4.9	0.1	5.1	10.1
	-55.0	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0

1	•	0.1	0.5	2.5	9.3	12.6	5.8	0.2
2	•	•	0.4	2.0	7.8	12.7	7.3	0.8
3	•	•	0.3	1.5	5.7	13.0	9.1	1.4

(a)

Ноябрь

-9	•	0.1	0.4	1.3	3.3	6.3	10.2	7.5	0.9	•
-8	•	0.1	0.3	1.1	2.7	5.7	9.3	9.0	1.8	•
-7	•	•	0.2	0.8	2.6	4.8	8.7	10.2	2.6	0.1
-6	•	•	0.2	0.7	2.1	4.2	7.8	10.3	4.0	0.2
-5	•	•	0.1	0.5	1.7	3.6	7.2	10.8	5.6	0.5
-4	•	•	0.1	0.4	1.4	3.2	6.0	10.5	7.5	0.9
-3	•	•	0.1	0.3	1.0	3.1	5.4	9.6	8.7	1.8
-2	•	•	•	0.2	0.8	2.6	4.8	8.7	10.2	2.6
-1	•	•	•	0.2	0.5	2.3	4.2	7.8	10.5	4.3

(b)

Декабрь

-14	•	0.1	0.4	1.1	2.2	3.1	5.3	7.7	8.0	2.1	•
-13	•	•	0.3	0.9	1.9	2.8	5.0	7.4	8.1	4.5	0.1
-12	•	•	0.2	0.9	1.8	2.5	4.3	7.1	8.0	5.9	0.3
-11	•	•	0.1	0.6	1.4	2.5	4.0	6.5	7.8	7.3	0.8
-10	•	•	0.1	0.5	1.3	2.2	3.7	5.6	7.7	8.4	1.5
-9	•	•	0.1	0.4	1.1	2.2	3.1	5.3	7.7	8.4	2.7
-8	•	•	•	0.3	0.9	1.9	2.8	5.0	7.4	8.1	4.5
-7	•	•	•	0.2	0.9	1.8	2.5	4.3	7.1	8.0	5.9
-6	•	•	•	0.1	0.6	1.5	2.4	4.0	6.5	7.8	7.3
-5	•	•	•	0.1	0.5	1.3	2.2	3.7	5.6	7.7	8.4

(c)

Примечание. Точка (•) означает, что число дней в соответствующей градации температуры менее 0.1 дня. С февраля по декабрь данные приводятся для всей территории.

(a) November. (b) December. (c) Note. Point (•) means that the number of days in the corresponding temperature gradation is less than 0.1 day. From February to December the data are provided for the entire territory.

ТАБЛИЦА 24

ЧИСЛО ДНЕЙ С МАКСИМАЛЬНОЙ ТЕМПЕРАТУРОЙ ВОЗДУХА В РАЗЛИЧНЫХ ПРЕДЕЛАХ
ПРИ ОПРЕДЕЛЕННЫХ ЗНАЧЕНИЯХ СРЕДНИХ МАКСИМУМОВ

(а) Средний максимум	(б) Температура (от-до)																
	-49.9 -45.0	-44.9 -40.0	-39.9 -35.0	-34.9 -30.0	-29.9 -25.0	-24.9 -20.0	-19.9 -15.0	-14.9 -10.0	-9.9 -5.0	-4.9 0.0	0.1 5.0	5.1 10.0	10.1 15.0	15.1 20.0	20.1 25.0	25.1 30.0	30.1 35.0
(в) Январь																	
(д) Северный (I) и центральный (II) районы																	
-9	•	•	•	0.1	0.5	1.5	3.4	6.2	8.5	10.2	0.6						
-8	•	•	•	0.1	0.4	1.2	2.9	5.6	8.1	10.7	2.0						
-7	•	•	•	0.1	0.3	1.0	2.6	5.0	7.8	10.2	4.0						
-6		•	•	•	0.2	0.8	2.0	4.7	7.2	9.9	6.2						
-5		•	•	•	0.2	0.7	1.6	4.3	6.5	9.3	8.3	0.1					
(е) Южный (III) район																	
-9			•	0.1	0.5	1.6	3.4	6.2	8.7	8.0	2.5	•					
-8			•	•	0.4	1.2	3.0	5.9	8.1	8.7	3.5	0.2					
-7			•	•	0.3	1.0	2.4	5.3	7.8	9.0	4.7	0.5					
-6			•	•	0.2	0.8	2.0	4.3	7.8	9.1	5.8	1.0					
(ф) Февраль																	
-9			•	0.3	0.9	2.7	7.0	9.0	6.3	1.8	•						
-8			•	0.2	0.8	2.3	6.2	8.7	7.0	2.8	•						
-7			•	0.2	0.5	1.8	5.3	8.7	7.6	3.7	0.2						
-6				0.1	0.4	1.4	4.2	8.4	8.1	4.8	0.6						
-5				0.1	0.4	1.1	3.6	7.8	8.1	5.9	1.0						
(г) Март																	
-4					•	0.7	3.3	7.8	11.8	6.5	0.9	•					
-3					•	0.4	2.3	6.8	11.5	8.4	1.5	0.1					
-2					•	0.3	1.9	5.9	10.5	9.9	2.3	0.2					
-1						0.2	1.2	5.1	9.6	11.2	3.4	0.3	•				

Table 24. Number of days with maximum air temperature in various limits with certain values of average maximums. (a) Average maximum. (b) Temperature (from-to). (c) January. (d) Northern (I) and central (II) regions. (e) Southern (III) region. (f) February. (g) March.

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	(a)	Апрель							
2		01	13	76	120	69	18	03	•
3		•	08	64	120	81	23	04	•
4			04	47	114	96	32	06	01
5			03	33	108	102	45	08	01
6			01	23	96	114	52	12	02
	(b)	Май							
7		•	02	23	87	105	68	22	03
8			01	14	78	105	74	33	05
9			01	09	62	106	83	42	07
10			•	06	47	102	93	50	12
11			•	04	33	100	99	56	17
12			•	02	23	87	105	68	22
13			01	13	78	106	74	33	05
14			01	09	63	105	84	39	07
	(c)	Июнь							
13			02	19	63	102	84	27	03
14			01	12	52	103	90	37	05
15			01	08	42	93	99	48	09
16			•	06	30	84	105	62	13
17				04	23	75	102	75	20
18				02	19	63	102	84	27
19				01	12	53	99	93	37
20			•	09	42	93	96	51	09
	(d)	Июль							
17			•	13	80	130	78	09	
18				06	65	133	89	17	
19				04	49	127	101	29	•
20				02	36	118	108	46	•
21				01	23	98	121	63	04
22			•	14	79	130	78	09	
23				07	64	133	87	19	
	(e)	Август							
16				22	115	124	45	04	•
17				10	105	127	60	08	•
18				05	70	140	80	15	•
19				02	51	133	104	19	01

(a) April. (b) May. (c) June. (d) July. (e) August.

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Средний максимум	Температура (от—до)																	
	-49.9 -45.0	-44.9 -40.0	-39.9 -35.0	-34.9 -30.0	-29.9 -25.0	-24.9 -20.0	-19.9 -15.0	-14.9 -10.0	-9.9 -5.0	-4.9 0.0	0.1 5.0	5.1 10.0	10.1 15.0	15.1 20.0	20.1 25.0	25.1 30.0	30.1 35.0	
20												0.1	3.0	12.1	11.9	3.6	0.3	
21													2.2	11.1	12.4	4.9	0.4	
										(a)	Сентябрь							
10										0.1	2.4	12.2	12.3	2.7	0.3	•		
11										•	1.5	9.9	14.1	4.1	0.4	•		
12										•	0.9	7.5	15.0	5.8	0.7	0.1		
13										•	0.4	5.6	14.7	8.1	1.1	0.1		
14											0.2	3.7	13.5	10.5	1.9	0.2	•	
										(b)	Октябрь							
3									0.4	5.7	15.2	8.4	1.2	0.1				
4									0.2	3.8	13.7	11.0	2.2	0.1				
5									0.1	2.7	11.8	12.8	3.4	0.2				
6									0.1	1.5	10.2	13.8	5.0	0.4				
7									•	0.9	7.8	15.2	6.4	0.7	•			
									(c)	Ноябрь								
-3									0.1	0.3	1.7	6.9	12.9	7.6	0.5			
-2									0.1	0.2	1.2	5.4	12.3	9.6	1.2			
-1									•	0.2	0.8	4.4	10.8	11.7	2.1			
0									•	0.1	0.6	2.9	9.6	12.6	4.1	0.1		
1									•	0.1	0.4	2.5	8.1	13.2	5.5	0.2		
2									•	0.1	0.3	1.7	6.9	13.1	7.4	0.5		
									(d)	Декабрь								
-7		•	0.1	0.3	0.8	2.2	4.7	9.6	9.3	4.0	•							
-6		•	•	0.2	0.7	1.9	4.0	8.4	9.9	5.8	0.1							
-5		•	•	0.2	0.5	1.7	3.5	7.8	9.6	7.4	0.3							
-4		•	•	0.1	0.4	1.3	3.1	6.6	9.6	8.9	1.0							
-3		•	•	0.1	0.3	1.1	2.5	5.6	9.6	9.6	2.2							
-2		•	•	0.1	0.3	0.8	2.2	4.7	9.3	9.6	4.0	•						

(e) Примечание. Точка (•) означает, что число дней в соответствующей градации температуры менее 0.1 дня. С февраля по декабрь данные приводятся для всей территории.

(a) September. (b) October. (c) November. (d) December. (e)

Note. Point (•) means that the number of days in the corresponding temperature gradation is less than 0.1 day. From February to December the data are provided for the entire territory.

ТАБЛИЦА 25

ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ
0° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПОДЪЕМА ТЕМПЕРАТУРЫ)

(a) Средняя дата	(b) Вероятность наступления в указанные даты и более ранние (%)							(c) Самая поздняя дата
	5	10	25	50	75	90	95	

(d) Северный (I) и центральный (II) районы

11 IV	27 III	30 III	4 IV	11 IV	17 IV	22 IV	25 IV	8 V
16 IV	1 IV	4 IV	9 IV	16 IV	22 IV	27 IV	30 IV	13 V
21 IV	6 IV	9 IV	14 IV	21 IV	27 IV	2 V	5 V	18 V
26 IV	11 IV	14 IV	19 IV	26 IV	2 V	7 V	10 V	23 V

(e) Южный (III) район

6 IV	20 III	24 III	1 IV	6 IV	12 IV	17 IV	20 IV	26 IV
11 IV	25 III	29 III	6 IV	11 IV	17 IV	22 IV	25 IV	1 V
16 IV	30 III	3 IV	11 IV	16 IV	22 IV	27 IV	30 IV	6 V

Table 25. Dates of onset of average daily temperatures of air above 0° of different probability (in the period of rise of temperature). (a) Average dates. (b) Probability of onset in the indicated dates and earlier (a/o). (c) Latest date. (d) Northern (I) and central (II) regions. (e) Southern (III) region.

ТАБЛИЦА 26

ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА
НИЖЕ 0° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПАДЕНИЯ ТЕМПЕРАТУРЫ)

(а) Дата		(б) Вероятность наступления в указанные даты и более ранние (%)						
(с) средняя	(д) самая ранняя	5	10	25	50	75	90	95

(е) Северный (I) и центральный (II) районы

16 X	20 IX	29 IX	1 X	7 X	15 X	24 X	1 XI	5 XI
21 X	25 IX	4 X	6 X	12 X	20 X	29 X	6 XI	10 XI
26 X	30 IX	9 X	11 X	17 X	25 X	3 XI	11 XI	15 XI
1 XI	6 X	15 X	17 X	23 X	31 X	9 XI	17 XI	21 XI
6 XI	11 X	20 X	22 X	28 X	5 XI	14 XI	22 XI	26 XI

(ф) Южный (III) район

21 X	26 IX	2 X	6 X	12 X	20 X	28 X	4 XI	9 XI
26 X	1 X	7 X	11 X	17 X	25 X	2 XI	9 XI	14 XI
1 XI	7 X	13 X	17 X	23 X	31 X	8 XI	15 XI	20 XI
6 XI	12 X	18 X	22 X	28 X	5 XI	13 XI	20 XI	25 XI
11 XI	17 X	23 X	27 X	2 XI	10 XI	18 XI	25 XI	30 XI
16 XI	22 X	28 X	1 XI	7 XI	15 XI	23 XI	30 XI	5 XII
21 XI	27 X	2 XI	6 XI	12 XI	20 XI	28 XI	5 XII	10 XII
26 XI	1 XI	7 XI	11 XI	17 XI	25 XI	3 XII	10 XII	15 XII

Table 26. Dates of onset of average daily temperatures of air below 0° of different probability (in the period of temperature drop). (a) Date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) average. (d) earliest. (e). Northern (I) and central (II) regions. (f) Southern (III) region.

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ТАБЛИЦА 27

ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ
5° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПОДЪЕМА ТЕМПЕРАТУРЫ)

(a) Средняя дата	(b) Вероятность наступления в указанные даты и более ранние (%)							(c) Самая поздняя дата
	5	10	25	50	75	90	95	

(d) Северный (I) и центральный (II) районы

6 V	20 IV	23 IV	29 IV	6 V	13 V	19 V	22 V	9 VI
11 V	25 IV	28 IV	4 V	11 V	18 V	24 V	27 V	14 VI
16 V	30 IV	3 V	9 V	16 V	23 V	29 V	1 VI	19 VI
21 V	5 V	8 V	14 V	21 V	28 V	3 VI	6 VI	24 VI
26 V	10 V	13 V	19 V	26 V	2 VI	8 VI	11 VI	29 VI

(e) Южный (III) район

26 IV	10 IV	13 IV	19 IV	26 IV	1 V	6 V	8 V	16 V
1 V	15 IV	18 IV	24 IV	1 V	6 V	11 V	13 V	21 V
6 V	20 IV	23 IV	29 IV	6 V	11 V	16 V	18 V	26 V
11 V	25 IV	28 IV	4 V	11 V	16 V	21 V	23 V	31 V
16 V	30 IV	3 V	9 V	16 V	21 V	26 V	28 V	5 VI
21 V	5 V	8 V	14 V	21 V	26 V	31 V	2 VI	10 VI

Table 27. Dates of onset of average daily temperatures of air above 5° of various probability (in the period of temperature rise). (a) Average date. (b) Probability of onset in the indicated dates and earlier (%). (c) Latest date. (d) Northern (I) and central (II) regions. (e) Southern (III) region.

ТАБЛИЦА 28

ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА
НИЖЕ 5° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПАДЕНИЯ ТЕМПЕРАТУРЫ)

(a) Дата		(b) Вероятность наступления в указанные даты и более ранние (%)						
(c) средняя	(d) самая ранняя	5	10	25	50	75	90	95

(e) Северный (I) и центральный (II) районы

21 IX	3 IX	8 IX	11 IX	15 IX	21 IX	26 IX	1 X	4 X
26 IX	8 IX	13 IX	16 IX	20 IX	26 IX	1 X	6 X	9 X
1 X	13 IX	18 IX	21 IX	25 IX	1 X	6 X	11 X	14 X
6 X	18 IX	23 IX	26 IX	30 IX	6 X	11 X	16 X	19 X

(f) Южный (III) район

1 X	13 IX	17 IX	19 IX	24 IX	1 X	7 X	13 X	16 X
6 X	18 IX	22 IX	24 IX	29 IX	6 X	12 X	18 X	21 X
11 X	23 IX	27 IX	29 IX	4 X	11 X	17 X	23 X	26 X
16 X	28 IX	2 X	4 X	9 X	16 X	22 X	28 X	31 X
21 X	3 X	7 X	9 X	14 X	21 X	27 X	2 XI	5 XI

Table 28. Dates of onset of average daily temperatures of air below 5° of various probability (in the period of temperature drop). (a) Date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) average. (d) earliest. (e) Northern (I) and central (II) regions. (f) Southern (III) region.

ТАБЛИЦА 29

ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ
10° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПОДЪЕМА ТЕМПЕРАТУРЫ)

(a) Средняя дата	(b) Вероятность наступления в указанные даты и более ранние (%)							(c) Самая поздняя дата
	5	10	25	50	75	90	95	

(d) Северный (I) и центральный (II) районы

1 VI	10 V	16 V	23 V	1 VI	8 VI	15 VI	21 VI	25 VI
6 VI	15 V	21 V	28 V	6 VI	13 VI	20 VI	26 VI	30 VI
11 VI	20 V	26 V	2 VI	11 VI	18 VI	25 VI	1 VII	5 VII
16 VI	25 V	31 V	7 VI	16 VI	23 VI	30 VI	6 VII	10 VII
21 VI	30 V	5 VI	12 VI	21 VI	28 VI	5 V	11 VII	15 VII

(e) Южный (III) район

26 V	10 V	13 V	19 V	26 V	2 VI	8 VI	11 VI	15 VI
1 VI	16 V	19 V	25 V	1 VI	8 VI	14 VI	17 VI	21 VI
6 VI	21 V	24 V	30 V	6 VI	13 VI	19 VI	22 VI	26 VI
11 VI	26 V	29 V	4 VI	11 VI	18 VI	24 VI	27 VI	1 VII
16 VI	31 V	3 VI	9 VI	16 VI	23 VI	29 VI	2 VII	6 VII
21 VI	5 VI	8 VI	14 VI	21 VI	28 VI	4 VII	7 VII	11 VII
26 VI	10 VI	13 VI	19 VI	26 VI	3 VII	9 VII	12 VII	16 VII

Table 29. Dates of onset of average daily temperatures of air above 10° of various probability (in the period of temperature rise). (a) Average date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) Latest date. (d) Northern (I) and central (II) regions. (e) Southern (III) region.

ТАБЛИЦА 30

ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА НИЖЕ
10° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПАДЕНИЯ ТЕМПЕРАТУРЫ)

(a) Дата		(b) Вероятность наступления в указанные даты и более ранние (%)						
(c) средняя	(d) самая ранняя	5	10	25	50	75	90	95

(e) Северный (I) и центральный (II) районы

26 VIII	25 VII	3 VIII	8 VIII	18 VIII	27 VIII	1 IX	6 IX	9 IX
1 IX	31 VII	9 VIII	14 VIII	24 VIII	2 IX	7 IX	12 IX	15 IX
6 IX	5 VIII	14 VIII	19 VIII	29 VIII	7 IX	12 IX	17 IX	20 IX
11 IX	10 VIII	19 VIII	24 VIII	3 IX	12 IX	17 IX	22 IX	25 IX

(f) Южный (III) район

1 IX	12 VIII	20 VIII	22 VIII	26 VIII	1 IX	5 IX	11 IX	13 IX
6 IX	17 VIII	25 VIII	27 VIII	31 VIII	6 IX	10 IX	16 IX	18 IX
11 IX	22 VIII	30 VIII	1 IX	5 IX	11 IX	15 IX	21 IX	23 IX
16 IX	27 VIII	4 IX	6 IX	10 IX	16 IX	20 IX	26 IX	28 IX
21 IX	1 IX	9 IX	11 IX	15 IX	21 IX	25 IX	1 X	3 X

Table 30. Dates of onset of average daily temperatures of air below 10° of various probability (in the period of temperature drop). (a) Date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) average. (d) earliest. (e) Northern (I) and central (II) regions. (f) Southern (III) region.

ТАБЛИЦА 31

ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ
15° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПОДЪЕМА ТЕМПЕРАТУРЫ)

(a) Средняя дата	(b) Вероятность наступления в указанные даты и более ранние (%)						
	5	10	25	50	75	90	95

(c) Центральный (II) район

26 VI	2 VI	7 VI	22 VI	2 VII
1 VII	7 VI	12 VI	27 VI	7 VII
6 VII	12 VI	17 VI	2 VII	12 VII

(d) Южный (III) район

21 VI	1 VI	6 VI	14 VI	22 VI	29 VI	16 VII
26 VI	6 VI	11 VI	19 VI	27 VI	4 VII	21 VII
1 VII	11 VI	16 VI	24 VI	2 VII	9 VII	26 VII
6 VII	16 VI	21 VI	29 VI	7 VII	14 VII	31 VII
11 VII	21 VI	26 VI	4 VII	12 VII	19 VII	5 VIII
16 VII	26 VI	1 VII	9 VII	17 VII	24 VII	10 VIII
21 VII	1 VII	6 VII	14 VII	22 VII	29 VII	15 VIII
26 VII	6 VII	11 VII	19 VII	27 VII	3 VIII	20 VIII

(e) Примечание. Период с устойчивой температурой воздуха выше 15° отсутствует в районе II в 27—30% лет и в районе III в 7% лет.

Table 31. Dates of onset of average daily temperatures of air above 15° of various probability (in the period of temperature rise). (a) Average date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) Central (II) region. (d) Southern (III) region.

ТАБЛИЦА 32

ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА НИЖЕ
15° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПАДЕНИЯ ТЕМПЕРАТУРЫ)

(a) Средняя дата	(b) Вероятность наступления в указанные даты и более ранние (%)						
	5	10	25	50	75	90	95

(c) Центральный (II) район

1 VIII	28 VII	8 VIII	19 VIII	23 VIII
6 VIII	2 VIII	13 VIII	24 VIII	28 VIII
11 VIII	7 VIII	18 VIII	29 VIII	2 IX

(d) Южный (III) район

6 VIII	24 VII	8 VIII	15 VIII	19 VIII	22 VIII
11 VIII	29 VII	13 VIII	20 VIII	24 VIII	27 VIII
16 VIII	3 VIII	18 VIII	25 VIII	29 VIII	1 IX
21 VIII	8 VIII	23 VIII	30 VIII	3 IX	6 IX

(e) Примечание. Смотри примечание к табл. 31.

Table 32. Dates of onset of average daily temperatures of air below 15° of various probability (in the period of temperature drop). (a) Average date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) Central (II) region. (d) Southern (III) region. (e) Note. See the note to Table 31.

ТАБЛИЦА 33

ПРОДОЛЖИТЕЛЬНОСТЬ ПЕРИОДА СО СРЕДНИМИ СУТОЧНЫМИ
ТЕМПЕРАТУРАМИ ВЫШЕ 0° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (ДНИ)

(a) Продолжительность		(b) Вероятность продолжительности указанной и большей (%)						
(c) средняя	(d) наименьшая	95	90	75	50	25	10	5
(e) Северный (I) район								
170	135	148	152	158	170	182	190	195
180	145	158	162	168	180	192	200	205
190	155	168	172	178	190	202	210	215
200	165	178	182	188	200	212	220	225
(f) Центральный (II) район								
180	145	160	164	173	182	189	195	199
190	155	170	174	183	192	199	205	209
200	165	180	184	193	202	209	215	229
(g) Южный (III) район								
190	151	168	173	181	191	200	210	216
200	161	178	183	191	201	210	220	226
210	171	188	193	201	211	220	230	236
220	181	198	203	211	221	230	240	246

Table 33. Duration of the period with average daily temperatures above 0° of various probability (days). (a) Duration. (b) Probability of duration indicated and greater (o/o). (c) average. (d) least. (e) Northern (I) region. (f) Central (II) region. (g) Southern (III) region.

ТАБЛИЦА 34

ПРОДОЛЖИТЕЛЬНОСТЬ ПЕРИОДА СО СРЕДНИМИ СУТОЧНЫМИ
ТЕМПЕРАТУРАМИ ВЫШЕ 5° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (ДНИ)

(a) Продолжительность		(b) Вероятность продолжительности указанной и большей (%)						
(c) средняя	(d) наименьшая	95	90	75	50	25	10	5
(e) Северный (I) район								
120	82	97	102	112	121	132	138	143
130	92	107	112	122	131	142	148	153
140	102	117	122	132	141	152	158	163
(f) Центральный (II) район								
140	107	120	125	133	141	147	154	152
150	117	130	135	143	151	157	164	162
(g) Южный (III) район								
140	106	121	127	133	141	148	154	160
150	116	131	137	143	151	158	164	170
160	126	141	147	153	161	168	174	180

Table 34. Duration of period with average daily temperatures above 5° of various probability (days). (a) Duration. (b) Probability of duration indicated and greater (o/o). (c) average. (d) least. (e) Northern (I) region. (f) Central (II) region. (g) Southern (III) region.

ПРОДОЛЖИТЕЛЬНОСТЬ ПЕРИОДА СО СРЕДНИМИ СУТОЧНЫМИ
ТЕМПЕРАТУРАМИ ВЫШЕ 10° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (ДНИ)

① Продолжительность		④ Вероятность продолжительности указанной и большей (%)						
② средняя	③ наименьшая	95	90	75	50	25	10	5

⑤ Северный (I) и центральный (II) районы

70	38	49	54	62	72	78	87	93
80	48	59	64	72	82	88	97	103
90	58	69	74	82	92	98	107	113
100	68	79	84	92	102	108	117	123

⑥ Южный (III) район

80	50	60	64	72	80	89	96	101
90	60	70	74	82	90	99	106	111
100	70	80	84	92	100	109	116	121
110	80	90	94	102	110	119	126	131

Table 35

DURATION OF THE PERIOD WITH MEAN DAILY TEMPERATURES HIGHER THAN 10° OF DIFFERENT PROBABILITY (DAYS)

Key: (1) Duration; (2) mean; (3) least; (4) Probability of the duration indicated and higher (%); (5) North (I) and central (II) regions; (6) Southern (III) region.

ТАБЛИЦА 36

ПРОДОЛЖИТЕЛЬНОСТЬ ПЕРИОДА СО СРЕДНИМИ СУТОЧНЫМИ
ТЕМПЕРАТУРАМИ ВЫШЕ 15° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (ДНИ)

① Средняя продолжительность	② Вероятность продолжительности указанной и большей (%)						
	95	90	75	50	25	10	5
③ Центральный (II) район							
20				12	27	37	42
30				22	37	47	52
40				32	47	57	62
④ Южный (III) район							
20			2	21	34	43	47
30			12	31	44	53	57
40			22	41	54	63	67
50			32	51	64	73	77

⑤ Примечание. Период с устойчивой температурой воздуха выше 15° отсутствует в районе II в 27-30% лет и в районе III в 7% лет.

Table 36

DURATION OF THE PERIOD WITH MEAN DAILY TEMPERATURES HIGHER THAN 15° OF DIFFERENT PROBABILITY (DAYS)

Key: (1) Mean duration; (2) Probability of the duration indicated and higher (%); (3) Central (II) region; (4) Southern (III) region; (5) Note. A period with a stable air temperature above 15° is absent in region II in 27-30% of the years and in region III in 7% of the years.

МИНИМАЛЬНАЯ ТЕМПЕРАТУРА ВОЗДУХА РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

① Средний из абсо- лютных миниму- мов	② Абсолют- ный минимум	③ Вероятность минимумов указанных и более низких (%)						
		5	10	25	50	75	90	95
④ Северный (I) и центральный (II) районы								
-25	-35	-31	-30	-28	-25	-23	-21	-19
-26	-36	-32	-31	-29	-26	-24	-22	-20
-27	-37	-33	-32	-30	-27	-25	-23	-21
-28	-38	-34	-33	-31	-28	-26	-24	-22
-29	-39	-35	-34	-32	-29	-27	-25	-23
-30	-40	-36	-35	-33	-30	-28	-26	-24
-31	-41	-37	-36	-34	-31	-29	-27	-25
-32	-42	-38	-37	-35	-32	-30	-28	-26
-33	-43	-39	-38	-36	-33	-31	-29	-27
-34	-44	-40	-39	-37	-34	-32	-30	-28
-35	-45	-41	-40	-38	-35	-33	-31	-29
-36	-46	-42	-41	-39	-36	-34	-32	-30
-37	-47	-43	-42	-40	-37	-35	-33	-31
-38	-48	-44	-43	-41	-38	-36	-34	-32
-39	-49	-45	-44	-42	-39	-37	-35	-33
⑤ Южный (III) район								
-32	-48	-42	-39	-36	-32	-28	-26	-24
-33	-49	-43	-40	-37	-33	-29	-27	-25
-34	-50	-44	-41	-38	-34	-30	-28	-26
-35	-51	-45	-42	-39	-35	-31	-29	-27
-36	-52	-46	-43	-40	-36	-32	-30	-28
-37	-53	-47	-44	-41	-37	-33	-31	-29
-38	-54	-48	-45	-42	-38	-34	-32	-30
-39	-55	-49	-46	-43	-39	-35	-33	-31

Table 37

MINIMUM AIR TEMPERATURE OF DIFFERENT PROBABILITY

Key: (1) Mean of absolute minimums; (2) Absolute minimum;
 (3) Probability of minimums indicated and lower (%);
 (4) Northern (I) and central (II) regions; (5) Southern (III)
 region.

ТАБЛИЦА 38

МАКСИМАЛЬНАЯ ТЕМПЕРАТУРА ВОЗДУХА РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

① Средний из абсолютных максимумов	② Вероятность максимумов указанных и более высоких (%)							③ Абсолютный максимум
	95	90	75	50	25	10	5	
④ Для всей территории								
26	23	24	25	26	27	29	30	31
27	24	25	26	27	28	30	31	32
28	25	26	27	28	29	31	32	33
29	26	27	28	29	30	32	33	34
30	27	28	29	30	31	33	34	35

Table 38.

MAXIMUM AIR TEMPERATURE OF DIFFERENT PROBABILITY

Key: (1) Mean of absolute maximums; (2) Probability of maximums indicated and higher (%); (3) Absolute maximum; (4) For entire territory.

СУММЫ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ 0° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

(1) Сумма		(4) Вероятность сумм температур указанных и больших (%)						
(2) средняя	(3) наименьшая	95	90	75	50	25	10	5

(5) Северный (I) и центральный (II) районы

1400	900	1100	1200	1300	1400	1500	1650	1700
1600	1100	1300	1400	1500	1600	1700	1850	1900
1800	1300	1500	1600	1700	1800	1900	2050	2100

(6) Южный (III) район

1800	1210	1500	1550	1680	1800	1930	2050	2150
2000	1410	1700	1750	1880	2000	2130	2250	2350
2200	1610	1900	1950	2080	2200	2330	2450	2550

Table 39

TOTALS OF AIR TEMPERATURES HIGHER THAN 0° OF DIFFERENT PROBABILITY

Key: (1) Total; (2) mean; (3) least; (4) Probability of totals of temperatures indicated and higher (%); (5) Northern (I) and central (II) regions; (6) Southern (III) region.

ТАБЛИЦА 40

СУММЫ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ 5° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

<div> <div>1</div> <div>2</div> </div> <div> <div>Сумма</div> <div>3</div> <div>наименьшая</div> </div>		<div>4</div> <div>Вероятность сумм температур указанных и больших (%)</div>						
Средняя	наименьшая	95	90	75	50	25	10	5

5 Северный (I) и центральный (II) районы

1400	900	1150	1200	1300	1400	1550	1650	1700
1600	1100	1350	1400	1500	1600	1750	1850	1900
1800	1300	1550	1600	1700	1800	1950	2050	2100

6 Южный (III) район

1600	1050	1300	1350	1470	1600	1710	1820	1930
1800	1250	1500	1550	1670	1800	1910	2020	2130
2000	1450	1700	1750	1870	2000	2110	2220	2330

Table 40

TOTALS OF AIR TEMPERATURES HIGHER THAN 5° OF DIFFERENT PROBABILITY

Key: (1) Total; (2) mean; (3) least; (4) Probability of totals of temperatures indicated and higher (%); (5) Northern (I) and central (II) regions; (6) Southern(III) region.

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ТАБЛИЦА 41

СУММЫ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ 10° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

(1) Сумма		(4) Вероятность сумм температур указанных и больших (%)						
(2) средняя	(3) наименьшая	95	90	75	50	25	10	5

(5) Северный (I) и центральный (II) районы

1000	400	650	700	850	1000	1200	1350	1400
1200	600	850	900	1050	1200	1400	1550	1600
1400	800	1050	1100	1250	1400	1600	1750	1800

(6) Южный (III) район

1200	600	800	900	1050	1200	1300	1450	1550
1400	800	1000	1100	1250	1400	1500	1650	1750
1600	1000	1200	1300	1450	1600	1700	1850	1950

Table 41

TOTALS OF AIR TEMPERATURES HIGHER THAN 10° OF DIFFERENT PROBABILITY

Key: (1) Total; (2) mean; (3) least; (4) Probability of totals of temperatures indicated and higher (%); (5) Northern (I) and central (II) regions; (6) Southern (III) region.

ТАБЛИЦА 42

СУММЫ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ 15° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

① Средняя сумма	② Вероятность сумм температур указанных и больших (%)						
	95	90	75	50	25	10	5

③ Центральный (II) район

400				250	550	700	800
600				450	750	900	1000
800				650	950	1100	1200

④ Южный (III) район

600		300	600	850	1000	1100
800		500	800	1050	1200	1300
1000		700	1000	1250	1400	1500

⑤ Примечание. Период с устойчивой температурой воздуха отсутствует в районе II в 27-30% лет и в районе III в 7% лет.

Table 42

TOTALS OF AIR TEMPERATURES HIGHER THAN 15° OF DIFFERENT PROBABILITY

Key: (1) Mean total; (2) Probability of totals of temperatures indicated and higher (%); (3) Central (II) region; (4) Southern (III) region; (5) Note. A period with stable air temperature is absent in region II in 27-30% of the years and in region III in 7% of the years.

Сумма температур	Средние суммы температур за период со средними суточными температурами															
	3) выше 5°					4) выше 10°					5) выше 15°					
	1200	1400	1600	1800	2000	800	1000	1200	1400	1600	200	400	600	800	1000	
6) Островной (I) район																
0			16 V	9 V	2 V			16 VI	9 VI	2 VI			7 VII	2 VII		
100			1 VI	24 V	8 V			26 VI	17 VI	10 VI			13 VII	8 VII		
200			11 VI	5 VI	28 V			4 VII	24 VI	18 VI			18 VII	14 VII		
300			22 VI	14 VI	8 VI			10 VII	3 VII	26 VI			25 VII	20 VII		
400			1 VII	23 VI	15 VI			18 VII	10 VII	3 VII			1 VIII	26 VII		
500			8 VII	1 VII	23 VI			24 VII	16 VII	10 VII			8 VIII	1 VIII		
600			15 VII	7 VII	30 VI			31 VII	22 VII	16 VII			14 VIII	8 VIII		
700			22 VII	14 VII	7 VII			6 VIII	28 VII	22 VII			16 VIII	7 VIII		
800			28 VII	20 VII	13 VII			13 VIII	4 VIII	27 VII			24 VIII	14 VIII		
900			4 VIII	27 VII	19 VII			20 VIII	10 VIII	3 VIII						
1000			10 VIII	1 VIII	23 VII			29 VII	16 VIII	9 VIII						
1100			17 VIII	7 VIII	29 VII			7 IX	22 VIII	15 VIII						
1200			24 VIII	13 VIII	5 VIII			17 IX	30 VIII	21 VIII						
1300			1 IX	20 VIII	11 VIII				7 IX	27 VIII						
1400			12 IX	28 VIII	16 VIII			15 IX	4 IX							
1500			24 IX	5 IX	25 IX					12 IX						
1600			6 X	14 IX	1 IX					22 IX						
1700				24 IX	10 IX											
1800				6 X	20 IX											
1900					4 X											
2000					18 X											
7) Прибрежный (II) район																
0	28 V	21 V	14 V	7 V	1 V	21 VI	14 VI	7 VI	1 VI	26 V			2 VII	27 VI	21 VI	
100	11 VI	4 VI	28 V	21 V	15 V	30 VI	23 VI	15 VI	9 VI	2 VI			8 VII	4 VII	28 VI	
200	22 VI	15 VI	8 VI	1 VI	26 V	7 VII	30 VI	23 VI	17 VI	10 VI			14 VII	10 VII	4 VII	
300	30 VI	22 VI	16 VI	10 VI	4 VI	17 VII	9 VII	1 VII	24 VI	17 VI			20 VII	15 VII	10 VII	
400	10 VII	3 VII	24 VI	18 VI	12 VI	25 VII	17 VII	8 VII	1 VII	25 VI			27 VII	21 VII	16 VII	
500	18 VII	10 VII	1 VII	25 VI	19 VI	3 VIII	24 VII	15 VII	7 VII	1 VII			3 VIII	28 VII	21 VII	
600	26 VII	15 VII	8 VII	1 VIII	25 VI	13 VIII	1 VIII	21 VII	13 VIII	7 VII			10 VIII	3 VIII	27 VII	
700	2 VII	24 VI	15 VII	8 VII	1 VII	22 VIII	8 VIII	29 VII	20 VII	14 VII			11 VIII	2 VIII	2 VIII	
800	10 VIII	31 VII	21 VII	13 VIII	7 VII	31 VIII	16 VIII	3 VIII	26 VII	20 VII			18 VIII	8 VIII	8 VIII	
900	18 VIII	7 VIII	28 VIII	20 VIII												

Table 43

DATES BY WHICH TOTALS ARE ACCUMULATED FOR AIR TEMPERATURES HIGHER THAN 5, 10 AND 15° OF A SPECIFIC MAGNITUDE WITH DIFFERENT MEAN TOTALS

Key: (1) Total of temperatures; (2) Mean totals of temperatures for a period with mean daily temperatures; (3) higher than 5°; (4) higher than 10°; (5) higher than 15°; (6) Insular (I) region; (7) Coastal (II) region; (8) Continental (III) region.

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ТАБЛИЦА 44

ДАТЫ ПЕРВОГО ЗАМОРОЗКА РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

① Дата		④ Вероятность заморозка в указанные даты и более ранние (%)						
② средняя	③ самая ранняя	5	10	25	50	75	90	95

⑤ Для всей территории

21 VIII	12 VII	27 VII	3 VIII	11 VIII	23 VIII	26 VIII	7 IX	15 IX
1 IX	23 VII	7 VIII	14 VIII	22 VIII	3 IX	6 IX	18 IX	26 IX
11 IX	2 VIII	17 VIII	24 VIII	1 IX	13 IX	16 IX	28 IX	6 X
21 IX	12 VIII	27 VIII	3 IX	11 IX	23 IX	26 IX	8 X	16 X
1 X	21 VIII	6 IX	13 IX	21 IX	3 X	6 X	18 X	26 X
11 X	1 IX	16 IX	23 IX	1 X	13 X	16 X	28 X	5 XI
21 X	11 IX	26 IX	3 X	11 X	23 X	26 X	7 XI	15 XI

Table 44

DATES OF THE FIRST FROST WITH A DIFFERENT PROBABILITY

Key: (1) Date; (2) mean; (3) earliest; (4) Probability of frost on the indicated dates and earlier (%); (5) For the entire territory.

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ТАБЛИЦА 45

ДАТЫ ПОСЛЕДНЕГО ЗАМОРОЗКА РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

① Средняя	② Вероятность заморозка в указанные даты и более поздние (%)							③ Самая поздняя дата
	95	90	75	50	25	10	5	

④ Для всей территории

11 V	16 IV	23 IV	1 V	13 V	21 V	28 V	5 VI	15 VI
21 V	26 IV	3 V	11 V	23 V	31 V	7 VI	15 VI	25 VI
1 VI	7 V	14 V	22 V	3 VI	11 VI	18 VI	26 VI	6 VII
11 VI	17 V	24 V	1 VI	13 VI	21 VI	28 VI	6 VII	16 VII
21 VI	27 V	3 VI	11 VI	23 VI	1 VII	8 VII	16 VII	26 VII

Table 45

DATES OF THE LAST FROST WITH A DIFFERENT PROBABILITY

Key: (1) Mean; (2) Probability of frost on the indicated dates and later (%); (3) Latest date; (4) For the entire territory.

ТАБЛИЦА 46

ПРОДОЛЖИТЕЛЬНОСТЬ БЕЗМОРОЗНОГО ПЕРИОДА
РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (ДНИ)

① Продолжитель- ность		④ Вероятность продолжительности указанной и большей (%)						
② средняя	③ наи- меньшая	95	90	75	50	25	10	5
⑤ Для всей территории								
60	20	30	40	53	62	75	90	110
80	40	50	60	73	82	95	110	130
100	60	70	80	93	102	115	130	150
120	80	90	100	113	122	135	150	170
140	100	110	120	133	142	155	170	190
160	120	130	140	153	162	175	190	210

Table 46

DURATION OF A FROST-FREE PERIOD OF DIFFERENT PROBABILITY (DAYS)

Key: (1) Duration; (2) mean; (3) least; (4) Probability of duration indicated and greater (%); (5) For the entire territory.

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SECTION 2

РАЗДЕЛ 2

ТЕМПЕРАТУРА ПОЧВЫ

SOIL TEMPERATURE

MEAN MONTHLY, MAXIMUM AND MINIMUM TEMPERATURE
OF THE SOIL SURFACE

TABLE 1
ТАБЛИЦА 1

СРЕДНЯЯ МЕСЯЧНАЯ, МАКСИМАЛЬНАЯ И МИНИМАЛЬНАЯ
ТЕМПЕРАТУРА ПОВЕРХНОСТИ ПОЧВЫ

Temperature of soil surface	Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
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3. Оланга Olanga: Soil podzolic,
sandy

Почва подзолистая, песчаная

Mean	Среди	-14	-14	-11	-4	6	14	18	14	7	0	-6	-11	0
Mean max.	Среди макс.	-10	-10	-4	3	16	26	30	25	15	4	-3	-7	7
Abs. max.	Абс. максимум	4	4	8	24	38	47	47	42	31	21	8	6	47
Abs. min.	Среди мин.	-21	-21	-18	-10	-2	4	8	6	2	-4	-10	-16	-7
Mean min.	Абс. минимум	-48	-51	-44	-39	-18	-7	-2	-5	-10	-26	-32	-46	-51
Abs. min.	Абс. минимум	-48	-51	-44	-39	-18	-7	-2	-5	-10	-26	-32	-46	-51

4. Лоухи Loukhi: Soil podzolic,
sandy

Почва подзолистая, песчаная

Mean	Среди	-13	-13	-10	-4	6	13	17	14	7	0	-6	-10	0
Mean max.	Среди макс.	-10	-9	-3	4	16	27	30	25	15	4	-3	-6	7
Abs. max.	Абс. максимум	5	5	9	22	41	47	50	42	35	19	7	7	50
Abs. min.	Среди мин.	-20	-21	-18	-10	-2	5	8	6	2	-4	-11	-16	-7
Mean min.	Абс. максимум	-47	-47	-42	-38	-17	-8	-2	-6	-11	-26	-38	-45	-47
Abs. min.	Абс. минимум	-47	-47	-42	-38	-17	-8	-2	-6	-11	-26	-38	-45	-47

4. Лоухи Loukhi: Soil peaty

Почва торфянистая

Mean	Среди	-13	-14	-11	-4	5	13	17	14	7	0	-6	-10	0
Mean max.	Среди макс.	-9	-10	-3	4	15	27	31	25	15	3	-3	-6	7
Abs. max.	Абс. максимум	5	5	10	22	42	46	49	45	33	19	7	7	49
Abs. min.	Среди мин.	-20	-22	-19	-10	-2	4	7	5	1	-4	-11	-16	-7
Mean min.	Абс. минимум	-48	-49	-43	-40	-16	-8	-4	-6	-11	-26	-40	-45	-49
Abs. min.	Абс. минимум	-48	-49	-43	-40	-16	-8	-4	-6	-11	-26	-40	-45	-49

5. Гридино Gridino: Soil rocky

Почва каменистая

Mean	Среди	-11	-12	-9	-3	5	12	16	14	8	1	-4	-8	1
Mean max.	Среди макс.	-8	-8	-4	4	14	21	26	23	14	4	-1	-5	7
Abs. max.	Абс. максимум	5	4	6	20	32	40	47	40	29	17	9	5	47
Abs. min.	Среди мин.	-16	-17	-14	-8	-1	5	9	8	4	-2	-6	-12	-4
Mean min.	Абс. минимум	-46	-42	-36	-30	-14	-6	-1	-4	-9	-20	-30	-34	-46
Abs. min.	Абс. минимум	-46	-42	-36	-30	-14	-6	-1	-4	-9	-20	-30	-34	-46

6. Кестеньга

Kesten'ga: Soil pod-
zolic, sandy loam

Почва подзолистая, супесчаная

Mean	Среди	-13	-13	-10	-3	6	14	18	14	7	0	-5	-10	0
Mean max.	Среди макс.	-9	-9	-3	3	17	26	31	26	15	4	-2	-6	8
Abs. max.	Абс. максимум	5	5	10	22	41	49	52	46	32	20	8	7	52
Abs. min.	Среди мин.	-20	-20	-18	-9	-1	5	8	7	2	-4	-10	-16	-6
Mean min.	Абс. минимум	-47	-50	-44	-36	-16	-7	-2	-4	-10	-26	-37	-45	-50
Abs. min.	Абс. минимум	-47	-50	-44	-36	-16	-7	-2	-4	-10	-26	-37	-45	-50

7. Софьянга Sof'yanga: Soil podzolic,
loamy

Почва подзолистая, суглинистая

Mean	Среди	-14	-14	-10	-4	5	12	16	13	7	0	-6	-10	0
Mean max.	Среди макс.	-10	-10	-4	2	11	21	28	22	14	4	-2	-7	6
Abs. max.	Абс. максимум	5	5	10	22	41	49	52	46	32	20	8	7	52
Abs. min.	Среди мин.	-20	-20	-18	-9	-1	5	8	7	2	-4	-10	-16	-6
Mean min.	Абс. минимум	-47	-50	-44	-36	-16	-7	-2	-4	-10	-26	-37	-45	-50
Abs. min.	Абс. минимум	-47	-50	-44	-36	-16	-7	-2	-4	-10	-26	-37	-45	-50

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Temperature of soil surface	Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
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8. Пильдозеро Pil'dozero: Soil podzolic,
sandy

Почва подзолистая, песчаная

Mean	Средн.	-13	-14	-11	-4	6	14	18	14	7	0	-6	-10	0
M. max	Средн. макс.	-9	-9	-3	4	16	27	30	26	16	4	-3	-6	8
A. max	Абс. максимум	6	5	6	20	41	48	47	43	33	18	8	7	48
M. min	Средн. мин.	-20	-22	-19	-10	-2	4	8	6	1	-4	-10	-16	-7
A. min.	Абс. минимум	-47	-47	-47	-36	-19	-7	-2	-7	-13	-26	-36	-45	-47

9. Поньгома Pon'goma: Soil peaty

Почва торфяная

Mean	Средн.	-12	-12	-9	-3	5	12	16	14	8	1	-4	-9	0
M. max	Средн. макс.	-8	-8	-3	4	14	22	27	24	15	4	-2	-6	7
M. min	Средн. мин.	-18	-18	-16	-8	-1	4	8	6	3	-2	-8	-14	-5

10. Ухта Ukhta: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

Mean	Средн.	-13	-14	-10	-3	6	13	17	14	7	0	-5	-10	0
M. max	Средн. макс.	-9	-9	-2	5	16	24	28	25	15	4	-2	-6	7
A. max	Абс. максимум	5	5	6	27	35	39	44	42	34	18	9	7	44
M. min	Средн. мин.	-20	-21	-19	-10	-1	5	8	6	2	-3	-10	-15	-6
A. min	Абс. минимум	-46	-54	-47	-37	-15	-8	0	-4	-10	-28	-32	-47	-54

11. Кемь, порт Kem', port: Soil rocky

Почва каменная

Mean	Средн.	-11	-12	-9	-2	6	13	17	15	8	1	-4	-8	1
M. max	Средн. макс.	-8	-8	-3	6	16	25	31	26	15	5	-1	-5	8
A. max	Абс. максимум	5	4	9	25	36	44	47	43	34	19	9	5	47
M. min	Средн. мин.	-16	-17	-14	-7	-1	5	8	8	3	-2	-6	-12	-4
A. min.	Абс. минимум	-46	-43	-36	-30	-14	-7	-2	-5	-10	-21	-33	-35	-46

12. Панозеро Panozero: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

Mean	Средн.	-13	-14	-10	-2	7	14	18	15	7	1	-5	-10	1
M. max	Средн. макс.	-9	-9	-3	4	17	28	31	26	15	4	-2	-6	8
M. min	Средн. мин.	-20	-21	-17	-9	-1	5	8	6	2	-3	-9	-15	-6

15. Юшкозеро Yushkozero: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

Mean	Средн.	-13	-14	-10	-2	7	15	18	15	8	1	-5	-10	1
M. max	Средн. макс.	-9	-9	-3	4	18	30	34	28	16	4	-2	-6	9
A. max	Абс. максимум	5	6	7	24	42	49	50	48	36	19	9	6	50
M. min	Средн. мин.	-20	-21	-18	-8	-1	5	8	6	2	-3	-10	-15	-6
A. min.	Абс. минимум	-47	-53	-47	-37	-16	-9	-3	-5	-10	-28	-35	-47	-53

16. Жужмуй, остров Zhuzhmuy, island:
Soil sandy

Почва песчаная

Mean	Средн.	-10	-11	-8	-2	6	14	18	15	8	2	-3	-7	2
M. max	Средн. макс.	-8	-8	-3	5	17	27	32	27	16	5	-1	-5	9
A. max	Абс. максимум	3	4	9	27	37	46	49	45	31	19	8	5	49
M. min	Средн. мин.	-14	-16	-14	-7	-1	5	8	8	4	-1	-6	-11	-4
A. min	Абс. минимум	-42	-41	-35	-28	-13	-6	-1	-2	-7	-14	-27	-34	-42

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Temperature of soil surface	Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year год
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		17. Раз-Наволоок Raz-Navolok: Soil Почва каменистая rocky												
Mean	Среди	-11	-12	-8	-2	6	13	17	14	8	1	-4	-8	1
Mean max	Среди макс . . .	-8	-8	-3	5	15	24	29	26	16	5	-1	-5	8
Abs max	Абс. максимум . .	6	4	9	24	34	44	47	43	32	20	9	5	47
Mean min	Среди мин	-16	-17	-15	-7	-1	5	8	8	3	-2	-6	-12	-4
Abs min	Абс. минимум . . .	-44	-44	-38	-29	-15	-7	-1	-4	-10	-22	-34	-39	-44

		20. Колежма Kolehzhma: Soil peaty- Почва торфяно-глеевая, суглинистая gleyey, sandy loam												
Mean	Среди	-12	-12	-9	-2	5	12	16	14	8	1	-4	-9	1
Mean max	Среди макс . . .	-8	-8	-2	5	14	23	27	25	16	5	-1	-6	7
Abs max	Абс. максимум . .	5	4	11	21	32	38	40	39	32	21	10	5	40
Mean min	Среди мин	-18	-18	-16	-8	-1	5	8	7	3	-2	-7	-14	-5
Abs min	Абс. минимум . . .	-44	-46	-43	-31	-14	-6	-2	-2	-8	-23	-32	-42	-46

		21. Ругозеро Rugozero: Soil pod- Почва подзолистая, супесчаная zolic, sandy loam												
Mean	Среди	-12	-12	-9	-2	7	14	17	15	8	1	-4	-9	1
Mean max	Среди макс . . .	-8	-8	-2	5	17	26	30	27	16	4	-2	-6	8
Abs max	Абс. максимум . .	4	4	8	23	42	48	48	46	38	19	9	6	48
Mean min	Среди мин	-17	-18	-15	-7	0	6	9	8	3	-3	-8	-13	-5
Abs min	Абс. минимум . . .	-44	-48	-39	-32	-14	-5	-1	-3	-9	-25	-29	-42	-48

		22. Воренжа Vorenzha: Soil podzolic, Почва подзолистая, супесчаная sandy loam												
Mean	Среди	-13	-13	-10	-2	7	15	18	15	8	1	-4	-10	1
Mean max	Среди макс . . .	-9	-9	-3	4	16	27	30	26	15	5	-2	-7	8
Abs max	Абс. максимум . .	5	3	9	25	40	47	50	45	35	20	9	6	50
Mean min	Среди мин	-18	-19	-17	-8	0	6	9	8	3	-2	-8	-15	-5
Abs min	Абс. минимум . . .	-45	-50	-42	-35	-17	-6	-4	-3	-9	-23	-36	-44	-50

		24. Реболы Reboły: Soil podzolic, Почва подзолистая, супесчаная sandy loam												
Mean	Среди	-12	-13	-10	-2	7	14	18	15	8	1	-4	-9	1
Mean max	Среди макс . . .	-9	-8	-2	5	18	26	31	27	16	5	-2	-6	8
Abs max	Абс. максимум . .	5	6	9	23	41	45	50	43	36	19	9	6	50
Mean min	Среди мин	-19	-20	-17	-8	-1	6	9	7	2	-2	-8	-14	-5
Abs min	Абс. минимум . . .	-47	-52	-43	-36	-22	-6	-1	-3	-9	-27	-35	-46	-52

		25. Сегежа Segezha: Soil podzolic, Почва подзолистая, супесчаная sandy loam												
Mean	Среди	-12	-12	-9	0	8	15	18	15	8	1	-4	-9	2
Mean max	Среди макс . . .	-8	-8	-1	8	19	28	31	27	16	5	-1	-6	9
Abs max	Абс. максимум . .	5	5	8	28	38	46	49	44	33	20	10	6	49
Mean min	Среди мин	-17	-18	-16	-6	0	6	10	8	4	-2	-7	-14	-4
Abs min	Абс. минимум . . .	-44	-49	-42	-32	-17	-6	-2	-3	-8	-20	-34	-44	-49

		26. Паданы Padany: Soil podzolic, Почва подзолистая, супесчаная sandy loam												
Mean	Среди	-12	-12	-8	-1	7	14	18	15	8	2	-3	-8	2
Mean max	Среди макс . . .	-8	-8	-2	6	17	25	20	26	16	6	-1	-6	8
Abs max	Абс. максимум . .	5	5	11	24	36	43	48	43	34	20	9	7	48
Mean min	Среди мин	-17	-18	-15	-7	0	6	9	8	3	-2	-7	-13	-4
Abs min	Абс. минимум . . .	-43	-49	-40	-32	-17	-6	-1	-3	-8	-18	-30	-42	-49

Temperature of surface soil

Year

Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год
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29. Данилово Danilovo: Soil soddy pod-

Почва дерново-подзолистая, песчаная zolic, sandy

Mean	Средн.	-13	-13	-10	-2	8	16	19	15	8	1	-4	-10	1
M. max	Средн. макс.	-9	-9	-3	5	19	29	33	27	16	5	-2	-7	9
A. max	Абс. максимум	4	4	7	23	46	48	50	46	38	23	9	6	50
M. min	Средн. мин.	-19	-20	-17	-8	-1	5	8	7	3	-2	-8	-15	-6
A. min	Абс. минимум	-48	-49	-42	-34	-16	-7	-4	-5	-11	-28	-34	-49	-49

30. Медвежьегорск Medvezh'egorsk: Soil soddy

Почва дерново-подзолистая, песчаная podzolic, sandy

Mean	Средн.	-13	-13	-9	-1	9	16	20	16	9	2	-4	-9	2
M. max	Средн. макс.	-9	-8	-2	6	21	30	33	28	17	6	-2	-6	10
A. max	Абс. максимум	5	5	10	28	42	48	50	46	39	21	10	6	50
M. min	Средн. мин.	-18	-19	-16	-7	0	7	10	8	3	-2	-7	-14	-4
A. min	Абс. минимум	-47	-47	-42	-30	-18	-5	-3	-2	-8	-21	-30	-45	-47

31. Кудам-Губа Kudam-Guba: Soil podzolic,

Почва подзолистая, песчаная sandy

Mean	Средн.	-13	-13	-10	-2	8	16	18	15	8	1	-4	-9	1
M. max	Средн. макс.	-9	-8	-2	5	20	29	31	28	17	5	-2	-6	9
A. max	Абс. максимум	4	5	11	26	42	47	49	46	36	20	9	6	49
M. min	Средн. мин.	-19	-20	-18	-8	0	6	9	7	3	-3	-8	-14	-6
A. min	Абс. минимум	-48	-48	-46	-38	-18	-6	-1	-4	-10	-25	-35	-50	-50

33. Совдозеро Sovdozero: Soil podzolic,

Почва подзолистая, супесчаная sandy loam

Mean	Средн.	-12	-13	-9	-2	8	15	18	15	8	2	-4	-9	1
M. max	Средн. макс.	-9	-8	-2	5	18	28	31	28	17	5	-1	-6	9
A. max	Абс. максимум	4	5	8	25	40	46	51	51	39	22	9	6	51
M. min	Средн. мин.	-18	-19	-16	-8	0	6	9	7	3	-2	-8	-14	-5
A. min	Абс. минимум	-47	-49	-43	-35	-19	-5	-2	-3	-9	-20	-32	-47	-49

35. Шуньга Shun'ga: Soil schungite

Почва шуньгитовая

Mean	Средн.	-11	-12	-8	0	9	17	21	17	10	3	-3	-8	3
M. max	Средн. макс.	-8	-7	-2	7	21	31	34	29	18	6	-1	-6	10
A. max	Абс. максимум	5	5	10	26	45	50	53	49	38	22	10	7	53
M. min	Средн. мин.	-17	-18	-15	-6	1	7	11	10	4	-1	-6	-12	-3
A. min	Абс. минимум	-47	-48	-41	-29	-14	-6	-1	-2	-7	-18	-24	-42	-48

36. Куганаволок Kuganavolok: Soil podzolic,

Почва подзолистая, суглинистая loamy

Mean	Средн.	-13	-12	-9	-1	7	14	18	15	8	2	-4	-10	1
M. max	Средн. макс.	-9	-9	-3	4	16	24	29	25	15	5	-2	-7	7
A. max	Абс. максимум	3	2	8	24	34	42	49	41	35	20	10	3	49
M. min	Средн. мин.	-18	-18	-15	-6	1	7	10	9	4	-1	-7	-14	-4
A. min	Абс. минимум	-49	-45	-38	-29	-15	-4	3	1	-6	-21	-32	-45	-49

38. Вартсилы Vyartsilya: Soil soddy pod-

Почва дерново-подзолистая, супесчаная zolic, sandy loam

Mean	Средн.	-11	-12	-8	-1	10	16	19	16	9	2	-3	-8	2
M. max	Средн. макс.	-8	-7	-1	6	22	30	33	29	18	6	-1	-5	10
A. max	Абс. максимум	5	3	11	26	45	51	53	50	36	22	8	6	53
M. min	Средн. мин.	-17	-17	-15	-5	1	6	10	8	3	-1	-6	-12	-4
A. min	Абс. минимум	-48	-42	-38	-30	-12	-6	-1	-4	-6	-18	-32	-45	-48

Temperature
of surface soil

Year

Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год
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39. Кондопога Kondopoga: Soil pod-
Почва подзолистая, супесчаная zolic, sandy loam

Mean	Средн.	-11	-11	-8	1	9	16	20	16	9	3	-3	-8	3
M.max	Средн. макс.	-8	-6	-1	8	21	29	33	29	18	7	0	-5	10
A.max	Абс. максимум	4	5	9	28	39	48	53	47	38	24	9	6	53
M.min	Средн. мин.	-17	-18	-15	-5	0	6	10	9	4	-1	-6	-12	-4
A.min	Абс. минимум	-47	-45	-42	-30	-13	-6	-1	-2	-10	-22	-26	-44	-47

40. Суоярви Suoyarvi: Soil podzolic,
Почва подзолистая, песчаная sandy

Mean	Средн.	-12	-12	-10	-2	9	15	18	15	9	2	-4	-9	2
M.max	Средн. макс.	-8	-7	-1	6	20	29	32	28	18	6	-1	-6	10
A.max	Абс. максимум	6	6	11	24	41	49	48	46	34	21	9	4	49
M.min	Средн. мин.	-19	-20	-18	-7	1	6	9	8	3	-1	-8	-14	-5
A.min	Абс. минимум	-50	-46	-44	-33	-15	-6	0	-3	-7	-25	-36	-48	-50

42. Янисъярви Yanis'yarvi: Soil soddy
Почва дерново-подзолистая, суглинистая podzolic, loamy

Mean	Средн.	-11	-12	-8	-1	9	16	20	16	9	2	-3	-8	2
M.max	Средн. макс.	-7	-7	-1	6	20	32	35	29	18	7	0	-5	11
M.min	Средн. мин.	-16	-18	-15	-7	-1	5	9	8	3	-2	-7	-12	-4

45. Петрозаводск, Сулаж-Гора Petrozavodsk, Sulazh-
Почва подзолистая, супесчаная Gora: Soil podzolic,
sandy loam

Mean	Средн.	-11	-11	-7	1	9	16	19	16	9	2	-3	-8	2
M.max	Средн. макс.	-8	-7	0	8	20	29	32	27	18	6	0	-6	10
A.max	Абс. максимум	4	3	12	29	38	46	49	46	35	21	14	7	49
M.min	Средн. мин.	-16	-17	-13	-4	2	7	10	9	4	-1	-6	-12	-3
A.min	Абс. минимум	-45	-41	-39	-29	-10	-3	1	-1	-7	-18	-33	-42	-45

48. Теребовская Terebovskaya: Soil
Почва подзолистая, супесчаная podzolic, sandy loam

Mean	Средн.	-12	-12	-9	0	8	15	19	16	9	3	-2	-8	2
M.max	Средн. макс.	-8	-7	-1	7	18	26	31	27	17	7	0	-5	9
A.max	Абс. максимум	3	4	10	26	34	42	44	42	34	22	9	5	44
M.min	Средн. мин.	-17	-18	-15	-6	1	7	11	9	5	-1	-5	-12	-3
A.min	Абс. минимум	-47	-46	-42	-32	-15	-4	-1	-3	-8	-23	-32	-45	-47

49. Пудож Pudozh: Soil soddy
Почва дерново-подзолистая, суглинистая podzolic, loamy

Mean	Средн.	-12	-12	-9	-1	9	15	19	16	9	2	-3	-9	2
M.max	Средн. макс.	-8	-7	-1	6	19	27	32	27	17	6	-1	-6	9
A.max	Абс. максимум	3	3	10	27	38	46	47	45	39	21	10	5	47
M.min	Средн. мин.	-17	-18	-15	-6	2	7	10	9	4	-1	-6	-13	-4
A.min	Абс. минимум	-48	-48	-38	-32	-17	-4	0	-1	-7	-21	-30	-46	-48

51. Колодозеро Kolodozero: Soil
Почва дерново-подзолистая, суглинистая soddy podzolic,
loamy

Mean	Средн.	-12	-12	-8	0	9	16	19	15	8	2	-4	-9	2
M.max	Средн. макс.	-9	-8	-2	6	20	27	31	26	16	5	-2	-6	9
A.max	Абс. максимум	3	3	10	28	43	46	52	45	32	19	9	4	52
M.min	Средн. мин.	-18	-18	-15	-6	1	6	10	8	4	-2	-7	-13	-4
A.min	Абс. минимум	-50	-47	-39	-30	-16	-6	0	-1	-8	-22	-30	-46	-50

Temperature
of surface soil

Year

Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год
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52. Сортавала Sortavala: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

Mean	Средн.	-10	-11	-8	-1	10	17	20	17	10	3	-2	-7	3
M. max	Средн. макс.	-7	-6	-1	6	20	30	33	28	18	7	0	-4	10
A. max	Абс. максимум	6	4	10	28	40	50	50	48	35	23	10	5	50
M. min	Средн. мин.	-15	-17	-15	-6	1	7	11	9	4	0	-5	-10	-3
A. min	Абс. минимум	-44	-40	-40	-29	-10	-6	2	0	-7	-14	-31	-44	-44

53. Пряжа Pryazha: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

Mean	Средн.	-11	-11	-8	-1	8	15	19	16	9	2	-3	-8	2
M. max	Средн. макс.	-8	-7	-2	6	18	27	32	27	17	6	-1	-6	9
A. max	Абс. максимум	3	3	8	25	37	44	51	47	36	20	10	6	51
M. min	Средн. мин.	-16	-17	-14	-6	1	7	10	9	4	-1	-6	-12	-3
A. min	Абс. минимум	-46	-45	-41	-27	-11	-7	-1	-2	-9	-22	-32	-44	-46

55. Палалахта Palalakhta: Soil podzolic,
loamy

Почва подзолистая, суглинистая

Mean	Средн.	-11	-12	-9	-1	9	15	19	16	9	2	-3	-9	2
M. max	Средн. макс.	-8	-8	-2	5	19	28	32	27	18	7	-1	-6	9
A. max	Абс. максимум	3	4	10	25	43	49	50	47	38	22	11	5	50
M. min	Средн. мин.	-16	-17	-15	-6	1	6	9	8	3	-1	-6	-12	-4
A. min	Абс. минимум	-47	-44	-43	-30	-14	-7	-1	-4	-12	-21	-32	-46	-47

57. Ладва Ladva: Soil peaty-podzolic,
loamy

Почва торфяно-подзолистая, суглинистая

Mean	Средн.	-11	-12	-9	0	9	15	18	16	9	2	-3	-8	2
M. max	Средн. макс.	-7	-7	-1	7	18	26	30	27	17	6	0	-5	9
A. max	Абс. максимум	4	5	10	26	38	42	43	44	34	21	12	6	44
M. min	Средн. мин.	-17	-18	-16	-6	1	6	10	8	4	-1	-6	-13	-4
A. min	Абс. минимум	-48	-45	-44	-32	-10	-7	0	-3	-8	-25	-36	-46	-48

63. Видлица Vidlitsa: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

Mean	Средн.	-11	-11	-8	0	9	15	19	16	9	3	-2	-8	2
M. max	Средн. макс.	-7	-6	-1	6	19	26	31	27	17	7	1	-4	10
A. max	Абс. максимум	4	5	10	24	42	43	48	49	34	23	10	5	49
M. min	Средн. мин.	-16	-16	-15	-6	0	5	9	8	3	-2	-6	-12	-4
A. min	Абс. минимум	-55	-43	-42	-31	-19	-8	0	-4	-11	-22	-30	-47	-55

65. Олонец Olonets: Soil podzolic,
loamy

Почва подзолистая, суглинистая

Mean	Средн.	-11	-11	-8	0	10	16	20	16	9	3	-3	-8	3
M. max	Средн. макс.	-7	-6	-1	6	21	29	33	28	18	7	0	-5	10
A. max	Абс. максимум	4	4	10	26	44	51	50	46	38	23	10	7	51
M. min	Средн. мин.	-16	-18	-15	-6	2	7	10	9	4	-1	-6	-12	-3
A. min	Абс. минимум	-55	-46	-42	-30	-19	-7	0	-3	-10	-21	-32	-46	-55

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MEAN MONTHLY TEMPERATURE OF UPPER LAYERS OF
SOIL MEASURED BY ANGLE THERMOMETERS

Table 2
ТАБЛИЦА 2

СРЕДНЯЯ МЕСЯЧНАЯ ТЕМПЕРАТУРА ВЕРХНИХ СЛОЕВ ПОЧВЫ
ПО КОЛЕНЧАТЫМ ТЕРМОМЕТРАМ

Depth (m)

Глубина (м)	V	VI	VII	VIII	IX	X
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4. Лоухи

Loukhi: Soil podzolic,
sandy

Почва подзолистая, песчаная

0.05	12.3	16.5	13.6	7.4
0.10	11.5	15.9	13.5	7.7
0.15	10.7	15.2	13.2	8.0
0.20	10.1	14.7	13.1	8.2

Почва торфянистая Soil peaty

0.05	10.2	14.4	12.8	7.2
0.10	9.0	13.4	12.4	7.5
0.15	7.7	11.9	12.1	7.7
0.20	6.9	11.4	11.7	7.9

10. Ухта

Ukhta: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

0.05	•	12.0	15.6	13.4	7.3	•
0.10	•	11.4	15.1	13.3	7.6	•
0.15	•	11.0	14.7	13.2	7.8	•
0.20	•	10.7	14.4	13.1	7.9	•

21. Ругозеро

Rugozero: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

0.05	12.1	15.3	13.8	8.1	•
0.10	11.2	14.7	13.6	8.3	•
0.15	10.4	14.0	13.4	8.5	•
0.20	10.1	13.3	13.0	8.6	•

22. Воренжа

Vorenzha: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

0.05	12.9	16.4	14.5	8.3	•
0.10	12.2	15.8	14.2	8.3	•
0.15	11.9	15.3	14.2	8.4	•
0.20	11.4	15.0	14.1	8.6	•

24. Реболы

Reboly: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

0.05	12.8	16.9	14.4	7.9	•
0.10	12.6	16.2	14.1	8.1	•
0.15	11.7	15.7	14.0	8.4	•
0.20	11.1	15.2	13.8	8.4	•

257'

Depth (m)

Глубина (м)	V	VI	VII	VIII	IX	X
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25. Сегежа Segezha: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

0.05	•	13.6	17.3	14.8	8.3	•
0.10	•	13.1	16.4	14.7	8.5	•
0.15	•	12.6	16.4	14.5	8.6	•
0.20	•	12.0	16.1	14.5	8.8	•

28. Паданы Padany: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

0.05	•	12.4	16.0	14.1	8.7	•
0.10	•	11.8	15.4	13.9	8.8	•
0.15	•	11.2	14.8	13.7	8.9	•
0.20	•	10.6	14.4	13.4	9.0	•

30. Медвежьегорск Medvezh'egorsk: Soil soddy-
podzolic, sandy

Почва дерново-подзолистая, песчаная

0.05	•	15.3	19.0	15.9	8.9	•
0.10	•	14.8	18.6	15.8	9.1	•
0.15	•	14.3	18.2	15.9	9.4	•
0.20	•	14.0	18.1	15.9	9.6	•

35. Шуньга Shun'ga: Soil schungite

Почва шунгитовая

0.05	•	15.5	19.7	16.5	9.8	•
0.10	•	14.7	19.1	16.3	10.1	•
0.15	•	14.1	18.5	16.1	10.2	•
0.20	•	13.5	18.0	15.9	10.3	•

39. Кондопога Kondopoga: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

0.05	•	14.7	19.0	16.1	9.9	•
0.10	•	13.9	18.3	16.0	10.1	•
0.15	•	13.4	17.9	15.7	10.2	•
0.20	•	13.1	17.6	15.7	10.2	•

45. Петрозаводск, Сулаж-Гора Petrozavodsk, Sulazh-Gora
Soil: podzolic, sandy loam

Почва подзолистая, супесчаная

0.05	•	14.4	17.7	15.6	9.3	•
0.10	•	13.7	17.2	15.4	9.6	•
0.15	•	13.1	16.9	15.3	9.9	•
0.20	•	12.6	16.4	15.2	10.0	•

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Depth (m)

Глубина (м)	V	VI	VII	VIII	IX	X
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49. Пудож Pudozh: Soil soddy-
podzolic, loamy

Почва дерново-подзолистая, суглинистая

0.05		14.1	17.8	15.4	9.3	
0.10		13.8	17.2	15.3	9.4	
0.15		13.4	16.9	15.1	9.6	
0.20		12.6	16.7	15.1	9.8	

52. Сортавала Sortavala: Soil podzolic
loamy

Почва подзолистая, суглинистая

0.05	•	14.9	18.4	16.1	9.8	•
0.10	•	13.9	17.8	15.9	10.2	•
0.15	•	13.6	17.2	15.7	10.4	•
0.20	•	12.9	16.8	15.5	10.4	•

53. Прижа Pryazha: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

0.05		13.3	17.0	14.9	9.1	•
0.10		12.9	16.5	14.7	9.3	•
0.15		12.2	16.1	14.5	9.5	•
0.20		12.0	15.7	14.5	9.7	•

57. Ладва Ladva: Soil peaty-podzolic,
loamy

Почва торфяно-подзолистая, суглинистая

0.05		13.7	17.4	15.1	9.4	•
0.10		13.4	17.1	15.0	9.6	•
0.15		12.8	16.7	15.0	9.8	•
0.20		12.4	16.5	14.9	9.9	•

63. Видлица Vidlitsa: Soil podzolic,
sandy loam

Почва подзолистая, супесчаная

0.05	•	14.1	17.6	15.4	9.8	•
0.10	•	13.2	17.0	15.1	9.8	•
0.15	•	12.5	16.3	14.9	10.2	•
0.20	•	12.1	15.8	14.6	10.2	•

65. Олонец Olonets: Soil podzolic,
loamy

Почва подзолистая, суглинистая

0.05	•	14.9	18.4	15.7	9.7	•
0.10	•	14.2	17.8	15.6	9.9	•
0.15	•	13.6	17.2	15.5	10.2	•
0.20	•	13.1	17.0	15.5	10.3	•

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MEAN MONTHLY AND YEARLY SOIL TEMPERATURE,
MEASURED BY VACUUM THERMOMETERS

Table 3
ТАБЛИЦА 3

СРЕДНЯЯ МЕСЯЧНАЯ И ГОДОВАЯ ТЕМПЕРАТУРЫ ПОЧВЫ ПО ВЫТЯЖНЫМ
ТЕРМОМЕТРАМ

ТЕРМОМЕТРАМ												Year	
Depth (m)													
Глубина (м)	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год

Loukhi: 4. Лоухи Soil- coarse sand with admixture of gravel
Почва — крупный песок с примесью гравия

0.2	-0.7	-0.9	-0.6	-0.1	2.4	10.7	13.8	12.8	7.7	2.6	0.4	-0.7	4.0
0.4	-0.3	-0.5	-0.4	-0.1	1.2	8.6	12.5	12.2	8.1	3.5	1.6	0.1	3.9
0.8	0.6	0.1	0.0	0.2	1.1	7.9	11.8	11.5	8.4	4.7	2.4	1.1	4.2
1.6	1.9	1.5	1.2	1.1	1.2	4.1	7.8	9.4	8.4	6.1	4.1	2.7	4.1

Почва торфянистая Soil peaty

0.2	-0.3	-0.7	-0.7	-0.4	0.8	7.4	13.6	13.0	7.8	2.9	0.9	0.2	3.7
0.4	0.9	0.5	0.2	0.2	0.8	4.7	10.5	11.1	8.2	4.5	2.5	1.5	3.8
0.8	2.1	1.7	1.3	1.1	1.2	3.3	7.4	9.1	8.0	5.7	3.8	2.8	4.0

Reboly: 24. Реболы Soil podzolic, sandy loam

Почва подзолистая, супесчаная

0.4	0.3	0.1	0.0	0.1	2.7	8.8	12.1	12.4	9.3	5.0	2.0	0.6	4.4
0.6	1.0	0.6	0.5	0.5	2.5	7.6	10.8	11.6	9.3	5.8	2.9	1.5	4.6
0.8	1.3	0.9	0.8	0.7	2.5	6.8	9.9	11.0	9.2	6.3	3.7	2.3	4.6
1.2	2.1	1.7	1.4	1.2	2.0	5.5	8.6	10.0	9.2	6.8	4.4	2.8	4.6
1.6	2.7	2.2	1.9	1.7	2.0	4.6	7.4	8.9	8.7	7.0	5.2	4.1	4.7

Medvezh'egorsk 30. Медвежьегорск Soil sandy with admixture of pebbles

Почва песчаная с примесью гальки

0.2	-3.1	-3.4	-2.4	0.5	9.0	15.5	19.0	17.0	10.0	4.1	0.2	-2.5	5.3
0.4	-2.1	-2.2	-1.8	0.0	6.4	13.5	17.6	16.8	11.0	5.0	1.1	-1.2	5.3
0.8	0.0	-0.5	-0.7	0.0	4.0	10.1	14.7	15.6	12.0	6.6	3.1	0.1	5.4
1.6	2.0	1.5	1.1	0.6	2.2	7.1	11.2	13.3	11.7	8.2	5.2	3.0	5.6
3.2	4.4	3.8	3.1	2.3	2.2	3.9	6.6	9.2	10.0	9.1	7.4	5.7	5.6

Petrozavodsk, 45. Петрозаводск, Сулаж-Гора Soil - down to 17 cm, sandy loam, below - sand

Почва до 17 см — супесь, ниже — песок

0.2	-1.4	-1.8	-1.6	-0.3	5.3	11.7	14.7	14.5	10.2	5.1	1.4	-0.4	4.8
0.4	-0.4	-1.1	-1.1	-0.3	3.8	10.5	13.8	14.1	10.6	5.8	2.3	0.5	4.9
0.8	0.6	-0.1	-0.4	0.0	2.8	8.9	12.4	13.4	10.9	6.8	3.4	1.4	5.0
1.6	2.1	1.4	1.0	0.8	1.9	6.0	9.6	11.4	10.8	8.1	5.2	3.2	5.1
3.2	4.1	3.4	2.8	2.3	2.3	3.6	5.7	8.0	8.9	8.4	6.9	5.4	5.2

Sortavala: 52. Сортавала Soil down to 60 cm - heavy loam, below - clay

Почва до 60 см — тяжелый суглинок, ниже — глина

0.2	-1.2	-0.7	-0.5	0.0	6.7	12.7	15.8	15.0	10.8	5.5	2.2	-0.6	5.5
0.4	0.0	0.0	0.0	0.1	5.0	11.2	14.3	14.5	10.9	6.4	2.9	0.7	5.5
0.8	1.0	0.8	0.6	0.6	3.5	9.3	12.5	13.5	11.2	7.4	4.3	1.8	5.5
1.6	2.8	2.4	2.0	1.8	2.7	6.4	9.4	11.3	10.6	8.5	6.0	4.1	5.7

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MEAN, GREATEST AND LEAST NUMBER OF DAYS
WITH SOIL TEMPERATURE $\leq 0^{\circ}$

Table 4
ТАБЛИЦА 4

СРЕДНЕЕ, НАИБОЛЬШЕЕ И НАИМЕНЬШЕЕ ЧИСЛО ДНЕЙ
С ТЕМПЕРАТУРОЙ ПОЧВЫ $\leq 0^{\circ}$

Depth (m)	Глубина (м)	Number of days Число дней	X	XI	XII	I	II	III	IV	V	Сумма за зиму	Процент лет, когда не было мо- роза на глубинах
<p>Loukhi 4. Лоухи</p> <p>Почва — песок Soil sand</p> <p>Под естественной поверхностью Under natural surface</p>												
Mean		Среднее	•	13.9	26.1	28.0	28.3	31.0	27.0	10.1	160.3	
Greatest	0.2	Наибольшее	5	30	31	31	29	31	30	23	183	
Least		Наименьшее	0	0	0	10	28	31	11	0	101	
Mean	0.4	Среднее	0.0	0.0	10.0	23.9	24.3	28.7	22.7	7.6	118.7	
Greatest		Наибольшее	0	0	31	31	29	31	30	20	162	
Least		Наименьшее	0	0	0	0	1	15	9	0	95	
<p>Почва — торф Soil peat</p> <p>Под естественной поверхностью Under natural surface</p>												
Mean		Среднее	0.0	0.0	0.0	0.0	•	•	•	•	•	55
Greatest	0.4	Наибольшее	0	0	0	0	29	31	30	11	97	
Least		Наименьшее	0	0	0	0	0	0	0	0	0	
<p>Petrozavodsk, Sulazh-Gora</p> <p>45. Петрозаводск, Сулаж-Гора</p> <p>Под естественной поверхностью Under natural surface</p>												
Mean		Среднее	0.0	3	23.5	31.0	28.2	31.0	26.3	•	143.8	
Greatest	0.2	Наибольшее	0	12	31	31	29	31	30	6	155	
Least		Наименьшее	0	0	6	31	28	31	17	0	126	
Mean		Среднее	0.0	0.0	•	17.0	24.2	28.4	25.4	4.2	104.1	
Greatest	0.4	Наибольшее	0	0	20	31	29	31	30	12	132	
Least		Наименьшее	0	0	0	0	0	0	0	0	20	
Mean	0.8	Среднее	0.0	0.0	0.0	•	8.3	15.3	13.5	4.6	46.1	42
Greatest		Наибольшее	0	0	0	21	29	31	30	16	123	
Least		Наименьшее	0	0	0	0	0	0	0	0	0	
Mean	1.6	Среднее	0.0	0.0	0.0	0.0	•	•	•	•	•	
Greatest		Наибольшее	0	0	0	0	5	31	30	31	97	92
Least		Наименьшее	0	0	0	0	0	0	0	0	0	

Примечание. Точка (•) означает, что в данном месяце температура 0° и ниже наблюдалась менее, чем в 50% лет.

152 Note. The dot (•) means that in that month a temperature of 0° and lower was observed in less than in 50% of the years.

ДАТЫ ПЕРВОГО И ПОСЛЕДНЕГО ЗАМОРОЗКА НА ПОВЕРХНОСТИ
ПОЧВЫ И ПРОДОЛЖИТЕЛЬНОСТЬ БЕЗМОРОЗНОГО ПЕРИОДА

① № станции	② Станция	③ Средняя дата заморозка		⑥ Средняя продолжительность безморозного периода (дни)
		④ последнего весны	⑤ первого осенью	
3	Оланга	10 VI	26 VIII	76
4	Лоухи	13 VI	27 VIII	74
5	Гридино	13 VI	5 IX	83
6	Кестеньга новая	10 VI	5 IX	86
8	Пильдозеро	14 VI	31 VIII	77
9	Поньгома	10 VI	7 IX	88
10	Ухта	9 VI	26 VIII	77
11	Кемь, порт	12 VI	5 IX	84
15	Юшкозеро	13 VI	22 VIII	69
16	Жужмуй, остров	18 VI	15 IX	88
17	Раз-Наволоок	11 VI	3 IX	83
20	Колежда	14 VI	27 VIII	73
21	Ругозеро	6 VI	3 IX	88
22	Воренжа	8 VI	1 IX	84
24	Реболы	5 VI	31 VIII	86
25	Сегежа	7 VI	4 IX	88
26	Паданы	13 VI	30 VIII	77
29	Данилово	11 VI	15 VIII	64
30	Медвежьегорск	8 VI	12 IX	95
33	Совдозеро	6 VI	31 VIII	85
35	Шуньга	2 VI	18 IX	107
36	Куганаволок	30 V	19 IX	111
38	Вяртсиля	11 VI	29 VIII	78
39	Кондопога	30 V	5 IX	97
40	Суоярви	7 VI	4 IX	88
45	Петрозаводск, Сулаж-Гора	23 V	18 IX	117
48	Теребовская	1 VI	11 IX	101
49	Пудож	4 VI	9 IX	96
51	Колодозеро	5 VI	8 IX	94
52	Сортавала	1 VI	15 IX	105
53	Пряжа	2 VI	9 IX	98
55	Палалахта	2 VI	2 IX	91
57	Ладва	5 VI	2 IX	88
63	Видлища	10 VI	4 IX	85
65	Олонец	4 VI	11 IX	98

Table 5

DATES OF THE FIRST AND LAST LIGHT FROST ON THE SURFACE OF THE
SOIL AND THE DURATION OF THE FROST-FREE PERIOD

Key: (1) No. of station; (2) Station; (3) Mean date of light
frost; (4) last of spring; (5) first of fall; (6) Average
duration of frost-free period (days).

3. Olanga	48. Terebovskaya
4. Loukhi	49. Pudozh
5. Gridino	51. Kolodozero
6. Kesten'ga novaya	52. Sortavala
8. Pil'dozero	53. Pryazha
9. Pon'goma	55. Palalakhta
10. Ukhta	57. Ladva
11. Kem', port	63. Vidlitsa
15. Yushkozero	65. Olonets
16. Zhuzhmuy, island	
17. Raz-Navolok	
20. Kolezhma	
21. Rugozero	
22. Vorenzha	
24. Reboly	
25. Segezha	
26. Padany	
29. Danilovo	
30. Medvezh'yegorsk	
33. Sovdozero	
35. Shun'ga	
36. Kuganavolok	
38. Vyartsilya	
39. Kondopoga	
40. Suoyarvi	
45. Petrozavodsk, Sulazh-Gora	

ТАБЛИЦА 6

ДАТЫ ПЕРВОГО И ПОСЛЕДНЕГО МОРОЗА В ПОЧВЕ
И ПРОДОЛЖИТЕЛЬНОСТЬ БЕЗМОРОЗНОГО ПЕРИОДА

① Глубина (м)	② Дата мороза						Средняя продолжитель- ность безмороз- ного периода (дни) ⑧
	③ последнего			④ первого			
	⑤ средняя	⑥ самая ранняя	⑦ самая поздняя	⑤ средняя	⑥ самая ранняя	⑦ самая поздняя	

⑨ 4. Лоухи

Почва — торф

0.4 • 23 V • 1 II

⑩ 45. Петрозаводск, Сулаж-Гора

0.2	28 IV	17 IV	8 V	5 XII	19 XI	26 XII	✓	221
0.4	2 V	21 IV	12 V	4 I	16 XII	3 II		247
0.8	7 V	26 IV	19 V	15 II	11 I	25 III		284

⑪ Примечание. Точка (•) означает, что на данной глубине морозы были менее, чем в 50% лет.

Table 6

DATES OF THE FIRST AND LAST FROST IN THE SOIL AND THE DURATION
OF THE FROST-FREE PERIOD

Key: (1) Depth (m); (2) Date of frost; (3) last; (4) first; (5) mean; (6) earliest; (7) latest; (8) Mean duration of frost-free period (days); (9) Loukh: Soil peat; (10) Petrozavodsk, Sulazh-Gora; (11) Note. The dot (•) means that at the given depth there was frost in less than 50% of the years.

ТАБЛИЦА 7

СРЕДНЯЯ, НАИБОЛЬШАЯ И НАИМЕНЬШАЯ ГЛУБИНА
ПРОНИКНОВЕНИЯ ТЕМПЕРАТУРЫ 0° В ПОЧВУ (см)

(1) Глубина проникновения	XI	XII	I	II	III	IV	V
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(2) 45. Петрозаводск, Сулаж-Гора

По наблюдениям на глубинах: 0.2, 0.4, 0.8, 1.6, 3.2 м

(3) Средняя	12	41	65	87	99	95	55
(4) Наибольшая	34	70	148	160	187	192	160
(5) Наименьшая	0	24	30	32	33	38	0

(6) Примечание. Нуль (0) означает, что температура 0° не достигает глубины самого близкого к поверхности термометра.

Table 7

MEAN, GREATEST, AND LEAST DEPTH OF PENETRATION OF A TEMPERATURE
OF 0° TO A DEPTH (cm)

Key: (1) Depth of penetration; (2) Petrozavodsk, Sulazh-Gora;
Based on observations at depths of 0.2, 0.4, 0.8, 1.6, 3.2 m.;
(3) Mean; (4) Greatest; (5) Least; (6) Note. Zero (0) means
that a temperature of 0° does not reach the depths of the ther-
mometers which are closest to the surface.

ТАБЛИЦА 8

ГЛУБИНА ПРОМЕРЗАНИЯ ПОЧВЫ (см)

① № станции	② Станция	XI	XII	I	II	III	Средняя из максималь- ных за зиму ③
4	Лоухи	16	23	36	44	44	45
10	Ухта	20	33	42	48	49	50
21	Ругозеро	18	26	34	39	43	50
22	Воренжа	12	24	36	43	48	49
30	Медвежьегорск	25	39	53	58	61	64
35	Шуньга	13	22	26	28	24	29
39	Кондопога	11	25	39	51	47	55
52	Сортавала	8	20	30	36	42	42
53	Пряжа	17	30	34	37	27	37
57	Ладва	17	25	39	43	49	51
65	Олонец	19	34	45	52	57	58

Table 8

DEPTH OF FREEZING OF SOIL (cm)

Key: (1) No. of station; (2) Station; (3) Mean of the maximums for winter.

- 4. Loukhi
- 10. Ukhta
- 21. Rugozero
- 22. Vorenzha
- 30. Medvezh'egorsk
- 35. Shun'ga
- 39. Kondopoga
- 52. Sortavala
- 53. Pryazha
- 57. Ladva
- 65. Olonets

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LENINGRADSKAYA, NOVGORODSKAYA
and PSKOVSKAYA OBLASTS

**ЛЕНИНГРАДСКАЯ. НОВГОРОДСКАЯ
И ПСКОВСКАЯ ОБЛАСТИ**

Section 1
РАЗДЕЛ I

ТЕМПЕРАТУРА ВОЗДУХА

AIR TEMPERATURE

Table 1

ТАБЛИЦА 1

MEAN MONTHLY AND YEARLY AIR TEMPERATURE
СРЕДНЯЯ МЕСЯЧНАЯ И ГОДОВАЯ ТЕМПЕРАТУРА ВОЗДУХА

Number of station	Station													Year
№ стан- ции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год

ЛЕНИНГРАДСКАЯ ОБЛАСТЬ * Leningradskaya Oblast

1	Токари	-10.7	-10.4	-6.2	1.3	7.9	13.1	16.1	14.3	8.8	2.4	-3.1	-8.3	2.1
2	Лесогорский	-8.7	-9.1	-5.1	1.8	8.5	13.8	16.6	14.2	9.2	3.6	-1.1	-5.9	3.2
3	Приозерск	-8.3	-8.8	-5.2	1.8	8.2	13.5	16.5	14.8	9.9	4.2	-0.7	-5.2	3.4
4	Вознесенье	-10.1	-9.9	-5.7	1.8	7.9	13.4	16.6	14.8	9.5	3.3	-2.2	-7.3	2.7
5	Мяусово	-10.6	-10.6	-6.5	1.7	8.6	13.4	16.3	14.2	9.0	3.1	-2.3	-7.6	2.4
6	Ханнило	-8.9	-9.4	-5.6	1.0	8.3	13.6	16.9	14.6	9.2	3.8	-1.3	-5.6	3.0
7	Раттирва	-8.6	-8.7	-5.3	1.1	8.0	13.9	16.5	15.0	9.5	3.9	-1.1	-5.5	3.2
8	Коневец	-7.3	-8.3	-5.2	0.8	6.5	11.3	15.3	14.7	10.3	4.8	0.0	-4.0	3.2
9	Сортавалахти, маяк	-6.8	-7.3	-4.2	1.6	6.7	11.9	15.7	15.1	10.4	5.0	0.2	-4.1	3.7
10	Выборг	-8.0	-8.4	-4.9	1.9	9.0	14.5	17.6	15.6	10.3	4.4	-0.7	-5.3	3.8
11	Лодейное Поле	-10.2	-10.0	-5.8	2.2	9.0	14.4	17.2	15.0	9.5	3.4	-2.2	-7.5	2.9
12	Свирьстрой	-10.3	-10.2	-5.8	1.9	9.0	14.5	17.7	14.9	9.5	3.4	-2.2	-7.4	2.9
13	Винницы	-10.9	-10.6	-6.2	1.6	8.1	13.9	15.8	13.9	8.6	2.5	-3.0	-8.4	2.0
14	Сосново	-8.6	-8.9	-4.9	2.0	8.3	13.8	16.6	14.4	9.5	3.8	-1.5	-5.9	3.2
15	Сосново, старая ст.	-8.9	-9.2	-5.2	1.5	8.0	13.0	15.9	14.4	9.5	3.3	-1.8	-6.2	2.9
16	Свирица	-9.5	-9.6	-5.8	1.8	8.7	14.0	17.0	15.1	9.9	3.8	-1.7	-6.8	3.1
17	Валданицы	-10.4	-9.7	-5.5	2.8	9.1	14.6	17.2	15.2	9.5	3.2	-2.5	-7.7	3.0
18	Мянинская	-11.5	-10.9	-6.7	1.7	8.3	13.5	16.0	14.4	8.8	2.7	-3.2	-8.5	2.0
19	Нижние Никулясы	-8.4	-8.4	-5.1	0.4	7.7	12.5	15.8	14.3	9.3	4.3	-0.8	-5.0	3.0
20	Сухо, маяк	-7.8	-8.7	-5.9	-0.3	5.5	11.8	16.3	15.6	11.1	5.2	0.1	-4.7	3.2
21	Приморск	-7.7	-8.6	-5.5	1.2	8.2	13.7	17.0	15.4	10.6	5.1	0.3	-4.5	3.8
22	Сосновый Бор	-8.4	-8.6	-4.6	2.4	9.0	14.0	17.1	15.1	10.0	4.1	-1.1	-5.8	3.6
23	Гарболово	-8.7	-9.0	-5.2	1.7	8.2	13.4	16.2	14.3	9.3	3.6	-1.5	-6.1	3.0
24	Нарважкий, остров	-5.9	-7.2	-4.8	0.3	6.5	12.5	17.0	16.3	12.0	6.5	1.6	-2.5	4.4
25	Рощино	-8.7	-8.7	-4.6	2.1	8.8	13.7	16.8	15.0	10.0	3.9	-1.3	-5.8	3.4
26	Маяк, остров	-5.5	-6.8	-4.0	1.2	6.8	12.8	17.4	16.7	12.2	6.8	2.1	-2.1	4.6
27	Озерки	-7.9	-8.5	-5.4	1.5	8.1	13.6	17.0	15.4	10.7	5.0	0.0	-4.7	3.7
28	Зеленогорск	-8.1	-8.6	-5.6	1.6	8.5	13.7	16.7	15.0	10.0	4.3	-0.8	-5.5	3.4

1. Tokari
2. Lesogorskiy
3. Priozersk
4. Voznesen'ye
5. Myatusovo
6. Khannila
7. Ryattiyarvi
8. Konevets
9. Sortanlakhti, lighthouse/beacon
10. Vyborg
11. Lodeynoye Pole
12. Svir'stroy
13. Vinnitsy
14. Sosnovo
15. Sosnovo, old station
16. Sviritsa
17. Valdanitsy
18. Minniskaya
19. Nizhnie Nikulyasy
20. Sukho, lighthouse/beacon
21. Primorsk
22. Sosnovyy Bor
23. Garbolovo
24. Narvskiy, island
25. Roshchino
26. Mayak, island
27. Ozerki
28. Zelenogorsk

29	Токсово	-88	-89	-50	20	85	136	167	148	98	36	-17	-62	32
30	Осиновец	-83	-86	-51	16	75	133	167	153	103	44	-08	-55	34
31	Сестрорецк	-84	-87	-54	15	85	141	174	156	105	45	-08	-55	36
32	Карелья, маяк	-82	-89	-60	04	70	131	171	160	112	50	-04	-54	34
33	Новая Ладога	-90	-90	-51	22	90	142	172	154	103	42	-14	-61	35
34	Левашово	-85	-86	-53	23	90	140	170	150	96	38	-12	-59	34
35	Гогланд	-50	-66	-40	14	71	129	169	162	119	65	20	-20	48
36	Сескар	-65	-76	-48	14	74	135	175	164	120	60	11	-32	44
37	Гогланд I	-49	-62	-36	20	78	133	176	168	123	69	22	-18	52
38	Мощный	-55	-70	-47	11	73	134	174	166	122	67	17	-24	47
39	Лисий Нос	-81	-85	-52	16	88	142	174	157	108	47	-05	-53	38
40	Ленинград, Лесной	-83	-84	-46	26	92	142	170	151	100	41	-10	-57	37
41	Шепелевский, маяк	-72	-78	-48	18	80	139	172	157	113	54	02	-43	41
42	Кронштадт	-76	-80	-44	24	93	147	180	162	112	52	-02	-49	43
43	Ленинград, аэропорт	-86	-89	-50	25	89	140	167	148	96	40	-11	-58	34
44	Лебяжье	-76	-82	-48	20	85	140	171	154	108	51	-01	-47	40
45	Ленинград, ГМО	-77	-79	-42	30	96	148	178	160	108	48	-05	-51	43
46	Вейжово	-87	-86	-48	25	89	139	167	149	98	38	-16	-60	34
47	Шугозеро	-103	-100	-57	22	88	138	164	140	88	29	-26	-75	26
48	Черная Речка	-83	-86	-49	24	87	141	168	151	99	40	-11	-58	35
49	Петрокрепость	-84	-86	-50	24	87	138	169	152	101	42	-10	-56	36
50	Волхов	-91	-90	-48	28	94	142	169	149	96	38	-14	-63	34
51	Ломоносов, лесной техникум	-80	-80	-44	25	88	137	167	148	101	45	-07	-52	37
52	Ломоносов	-76	-80	-46	20	89	143	174	157	109	51	-02	-48	41
53	Невская (г. Ленинград)	-78	-80	-46	26	92	144	177	160	109	49	-05	-51	41
54	Петродворец	-77	-81	-45	21	90	144	173	158	107	47	-03	-50	40
55	Ленинград, Фарфоровый завод	-83	-85	-47	30	96	147	174	155	101	42	-10	-56	39
56	Петродворец, парк	-80	-81	-43	28	94	142	170	151	102	44	-07	-52	39
57	Стрельна	-80	-83	-46	21	92	144	173	156	107	46	-06	-53	39
58	Стрельна, с.х. станция	-82	-83	-43	27	90	145	173	154	105	46	-07	-53	39
59	Приладога	-90	-89	-48	26	92	141	169	147	97	38	-17	-63	33
60	Большой Тютере	-59	-68	-42	18	72	127	167	157	116	61	12	-27	44
61	Ново-Саратовская	-82	-85	-46	29	92	142	170	151	101	44	-10	-55	38
62	Старое Гарьково	-71	-78	-44	21	83	136	167	152	108	54	02	-42	40
63	Систо-Палкино	-72	-80	-49	25	87	139	172	154	108	52	01	-45	40
64	Пороги на Неве	-83	-83	-47	29	95	142	170	151	99	43	-08	-58	37
65	Кайболово	-67	-73	-43	21	80	136	168	155	112	55	05	-36	43
66	Мга	-89	-86	-47	26	93	143	169	148	97	40	-14	-62	35
67	Пушкин	-84	-85	-45	27	93	141	168	150	100	40	-12	-59	36
68	Пушкин, с.х. станция	-83	-84	-44	28	96	145	170	152	100	42	-10	-58	38
69	Тихвин, лесная станция	-96	-93	-48	25	92	142	163	144	94	34	-22	-72	30
70	Павловск	-84	-86	-47	27	93	140	167	148	97	39	-13	-59	35

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| 29. Toksovo | 63. Sisto-Palkino |
| 30. Osinovets | 64. Proogi na Neve |
| 31. Sestroretsk | 65. Kaybolovo |
| 32. Karedzhi, lighthouse/beacon | 66. Mga |
| 33. Novaya Ladoga | 67. Pushkin |
| 34. Levashevo | 68. Pushkin, agricultural station |
| 35. Gogland | 69. Tikhvin, forestry station |
| 36. Sesar | 70. Pavlovsk |
| 37. Gogland I | |
| 38. Moshchnyy | |
| 39. Lisiy Nos | |
| 40. Leningrad, Lesnoy | |
| 41. Shepelevskiy, lighthouse/beacon | |
| 42. Kronshtadt | |
| 43. Leningrad, airport | |
| 44. Lebyazh'ye | |
| 45. Leningrad, GMO | |
| 46. Voeykovo | |
| 47. Shugozero | |
| 48. Chernaya Rechka | |
| 49. Petrokrepost' | |
| 50. Volkhov | |
| 51. Lomonosov, forestry technical school | |
| 52. Lomonosov | |
| 53. Nevskaya (city of Leningrad) | |
| 54. Petrodvorets | |
| 55. Leningrad, china clay plant | |
| 56. Petrodvorets, park | |
| 57. Strel'na | |
| 58. Strel'na, agricultural station | |
| 59. Priladoga | |
| 60. Bol'shoy Tyuters | |
| 61. Novo-Saratovskaya | |
| 62. Staroye Garkolovo | |

No. of station Station Year

№ стан-ции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год
71	Тихвин, Березовик	-95	-93	-49	30	97	143	168	147	94	36	-19	-71	32
72	Глаково	-68	-79	-44	21	84	138	168	152	108	53	02	-37	42
73	Усть-Луга	-72	-77	-46	24	89	138	169	152	108	53	02	-42	42
74	Кипень	-89	-87	-54	21	89	137	166	145	95	37	-14	-60	32
75	Сабзино	-86	-86	-47	28	92	141	169	148	96	40	-14	-58	35
76	Тихвин	-97	-94	-50	28	95	142	166	144	92	35	-20	-70	31
77	Гатчина	-90	-88	-51	26	90	138	164	146	95	38	-16	-61	33
78	Ефимовская	-107	-106	-59	20	88	137	162	141	86	25	-31	-83	23
79	Волосово	-88	-88	-51	23	90	136	163	143	93	37	-15	-60	32
80	Новопятицкая	-76	-76	-41	34	101	150	175	154	103	48	-03	-48	43
81	Кингисепп	-77	-77	-42	34	98	144	171	151	102	47	-04	-49	42
82	Белогорка	-87	-87	-50	27	94	140	167	147	96	39	-14	-61	34
83	Любань	-88	-87	-48	32	97	144	170	149	96	40	-14	-61	36
84	Видли Горы	-92	-91	-46	32	98	143	170	147	93	37	-17	-66	34
85	Будогощь	-93	-90	-46	33	99	145	171	150	96	38	-18	-66	35
86	Низовская	-87	-85	-46	30	96	139	166	142	91	37	-15	-62	34
87	Осьмино	-81	-80	-45	34	101	144	170	149	100	44	-07	-55	40
88	Толмачево	-82	-82	-45	36	105	150	174	153	98	44	-07	-58	40
89	Оредеж	-84	-83	-42	36	103	145	171	148	99	43	-11	-57	39
90	Луга	-83	-81	-41	36	105	149	174	153	101	42	-10	-59	40
91	Замостье Ольгино	-84	-82	-40	34	102	145	169	150	102	45	-10	-57	40
92	Николаевское	-82	-80	-41	34	104	146	171	152	101	42	-10	-58	40
НОВГОРОДСКАЯ ОБЛАСТЬ Novgorodskaya Oblast														
93	Чудово	-92	-85	-45	32	98	145	170	149	98	40	-16	-62	36
94	Хвойная	-102	-100	-54	27	98	146	169	149	93	29	-26	-78	26
95	Каменица	-102	-99	-56	20	91	136	160	142	88	27	-28	-80	25
96	Верхнее	-92	-88	-45	35	101	146	170	151	98	36	-19	-68	35
97	Новгород, Болотная ст.	-87	-86	-46	33	103	146	169	147	99	40	-13	-60	37
98	Хулянь	-86	-84	-42	36	108	151	177	157	105	42	-12	-60	41
99	Охоты	-103	-102	-53	27	98	144	168	148	93	30	-28	-80	28
100	Новгород	-86	-84	-45	33	104	150	173	152	101	42	-11	-59	39
101	Боровичи	-95	-93	-47	34	105	151	174	155	99	37	-20	-71	36
102	Войны	-87	-85	-47	30	108	158	182	162	108	44	-11	-58	42

71. Tikhvin, Berezovik
72. Gakkovo
73. Ust'-Luga
74. Kipen'
75. Sablino
76. Tikhvin
77. Gatchina
78. Yefimovskaya
79. Volosovo
80. Novopyatnitskaya
81. Kingisepp
82. Belogorka
83. Lyuban'
84. Vil'i Gory
85. Budogosh'
86. Nizovskaya
87. Os'mino
88. Tolmachevo
89. Oredezh
90. Luga
91. Zamosh'ye Ol'gino
92. Nikolayevskoye
Novgorodskaya Oblast
93. Chudovo
94. Khvoynaya
95. Kamenka
96. Vereb'ye
97. Novgorod, marsh station
98. Khutyn'
99. Okhony
100. Novgorod
101. Borovichi
102. Voytsy

103	Окуловка	-9.6	-9.2	-4.6	3.2	9.9	14.6	16.9	14.9	9.6	3.5	-2.2	-7.2	3.3
104	Кресты	-8.9	-8.8	-4.5	3.7	10.4	14.9	17.2	15.2	9.8	4.1	-1.3	-6.3	3.8
105	Шимск и Шелонь	-8.1	-8.1	-4.1	3.8	11.1	15.3	17.9	15.8	10.7	4.5	-0.8	-5.6	4.4
106	Коростынь	-8.5	-8.4	-4.2	3.4	10.5	15.2	17.7	15.7	10.4	4.3	-1.1	-5.8	4.1
107	Сольцы на Шелони	-8.2	-7.8	-3.9	3.9	11.1	15.7	17.9	15.9	10.4	4.7	-0.7	-5.6	4.4
108	Старая Русса	-8.3	-8.2	-4.2	4.0	11.0	15.4	17.7	15.7	10.5	4.6	-0.8	-5.7	4.3
109	Парфинская лесная школа	-8.2	-8.0	-3.9	4.3	11.2	15.5	17.8	15.7	10.7	4.8	-0.6	-5.6	4.5
110	Валдай	-9.6	-9.4	-5.0	2.8	9.9	14.2	16.6	14.8	9.6	3.4	-2.2	-7.2	3.2
111	Семеновщина	-9.1	-9.0	-4.7	3.3	10.6	14.5	16.7	15.1	9.9	3.8	-2.0	-6.7	3.5
112	Велье	-9.5	-9.1	-4.7	3.1	10.4	14.7	16.9	15.4	10.2	3.9	-1.8	-7.0	3.5
113	Демьянск	-8.4	-8.0	-3.5	4.4	11.0	15.4	17.5	15.6	10.5	4.4	-1.0	-5.8	4.3
114	Молвотицы	-8.6	-7.9	-3.6	3.9	10.8	14.9	17.1	15.5	10.5	4.6	-0.8	-6.1	4.2
115	Марево	-8.4	-7.9	-3.4	4.3	10.9	15.0	17.1	15.3	10.3	4.5	-1.0	-5.8	4.2
116	Холм	-8.2	-7.8	-3.7	4.4	11.4	15.3	17.3	15.5	10.4	4.9	-0.5	-5.7	4.4

ПСКОВСКАЯ ОБЛАСТЬ

117	Гдов	-7.4	-7.6	-4.4	3.0	10.0	14.9	17.5	15.8	11.2	5.3	0.0	-4.7	4.5
118	Ляды	-8.1	-8.1	-4.5	3.3	10.0	14.3	16.7	14.7	9.9	4.5	-0.6	-5.4	3.9
119	Сосно-Раскопель	-7.3	-7.2	-3.6	4.1	10.8	15.3	17.8	15.9	11.0	5.2	0.0	-4.7	4.8
120	Зачеренье	-8.1	-8.0	-4.3	3.0	10.3	14.2	16.8	15.2	10.3	4.4	-0.7	-5.6	4.0
121	Замосье, болотная ст.	-8.4	-8.2	-4.3	3.3	9.9	14.2	16.3	14.5	9.9	4.3	-1.0	-5.8	3.7
122	Струги Красные	-8.3	-8.1	-4.5	3.3	10.2	14.3	16.9	15.0	9.9	4.1	-1.1	-5.8	3.8
123	им. Залита, остров	-7.6	-7.4	-4.3	2.8	10.8	15.5	18.2	16.5	11.6	5.4	-0.1	-4.9	4.7
124	Дно	-8.0	-7.7	-4.0	4.0	11.0	15.0	17.4	15.5	10.4	4.7	-0.6	-5.5	4.4
125	Псков	-7.5	-7.3	-3.6	4.0	11.0	15.2	17.6	15.7	10.8	5.0	-0.3	-4.9	4.6
126	Порхов	-7.8	-7.5	-3.8	4.0	10.8	14.7	17.1	15.4	10.5	4.7	-0.6	-5.5	4.3
127	Быстрецово	-7.6	-7.5	-3.6	3.8	10.9	15.0	17.4	15.4	10.7	4.6	-0.9	-5.4	4.4
128	Псков, с.-х. ст.	-7.5	-7.4	-3.8	3.8	10.7	14.9	17.3	15.2	10.7	5.0	-0.3	-5.2	4.4
129	Дедовичи	-8.0	-7.7	-4.5	3.8	10.8	14.8	17.3	15.5	10.3	4.7	-0.8	-5.6	4.2
130	Остров	-7.7	-7.3	-3.8	4.2	11.1	15.3	17.6	15.6	10.8	5.1	-0.2	-5.2	4.6
131	Пыталово	-7.3	-7.1	-3.9	4.2	11.1	15.1	17.7	15.7	10.7	5.1	-0.1	-4.5	4.7
132	Пушкинские Горы	-7.8	-7.4	-3.8	4.2	11.3	15.1	17.4	15.7	10.9	4.9	-0.5	-5.2	4.6
133	Сущено	-8.1	-7.8	-4.1	4.1	11.1	14.9	17.2	15.5	10.4	4.7	-0.7	-5.5	4.3
134	Опочка	-7.5	-7.4	-3.4	4.3	11.3	15.3	17.3	15.6	10.6	5.1	-0.2	-4.8	4.6
135	Скоково	-8.3	-7.8	-4.2	3.6	10.8	11.6	16.8	15.4	10.1	4.4	-1.2	-6.1	4.0
136	Базлово	-8.2	-7.9	-3.8	3.7	10.9	14.9	16.9	15.5	10.5	4.7	-1.1	-5.9	4.2
137	Великие Луки	-8.2	-7.9	-3.9	4.4	11.4	15.1	17.2	15.5	10.3	4.9	-0.6	-5.7	4.4
138	Идрица	-7.7	-7.4	-3.7	4.3	11.4	15.1	17.2	15.5	10.5	5.1	-0.3	-5.3	4.6
139	Жигалово	-8.2	-8.0	-4.0	4.4	11.3	15.1	17.2	15.4	10.3	5.0	-0.7	-5.3	4.4
140	Новохованск	-8.2	-7.9	-3.1	4.3	11.4	15.1	17.2	15.6	10.6	5.1	-0.5	-5.5	4.5

Key: (a) Pskov Region.

103. Okulovka. 104. Kresttsy. 105. Shimsk and Shelon'. 106.

Korostyn'. 107. Sol'tsy na Sheloni. 108. Staraya Russa. 109.

Parfinskaya lesnaya shkola. 110. Valday. 111. Semenovshchina.

112. Vel'ye. 113. Demyansk. 114. Molvotitsy. 115. Marevo. 116.

Kholm. 117. Gdov. 118. Lyady. 119. Sosno-Raskopel'. 120.

Zacheren'ye. 121. Zamosh'ye, bolotnaya st. 122. Strugi Krasnye.

123. im. Zalita, ostrov. 124. Dno. 125. Pskov. 126. Porkhov.

127. Bystretsovo. 128. Pskov, s.-kh. st. 129. Dedovichy. 130.

Ostrov. 131. Pytalovo. 132. Pushkinskiye Gory. 133. Sushchevo.

134. Opochka. 135. Skokovo. 136. Bazlovo. 137. Velikiye Luki.

138. Idritsa. 139. Zhigalovo. 140. Novokhovansk.

СУТОЧНЫЙ ХОД ТЕМПЕРАТУРЫ ВОЗДУХА

(а) Часы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
(б) ЛЕНИНГРАДСКАЯ ОБЛАСТЬ												
(с) 4. Вознесенье												
1	-103	-106	-76	-09	44	95	130	116	79	28	-24	-73
2	-102	-105	-79	-11	42	92	127	113	77	27	-25	-73
3	-102	-104	-81	-13	39	90	124	111	76	26	-26	-73
4	-103	-106	-84	-16	39	92	125	111	75	25	-26	-73
5	-103	-107	-85	-16	45	102	134	112	74	24	-26	-74
6	-103	-108	-87	-13	56	113	145	121	74	24	-28	-74
7	-104	-109	-87	-03	69	125	157	134	80	23	-28	-75
8	-103	-108	-77	08	79	136	166	144	88	25	-28	-75
9	-102	-106	-66	20	89	145	176	156	97	29	-26	-75
10	-102	-101	-53	30	97	154	184	166	105	35	-22	-74
11	-99	-94	-41	39	103	159	191	172	112	40	-19	-72
12	-96	-87	-32	46	108	162	196	178	118	44	-15	-70
13	-94	-82	-24	50	112	167	200	183	121	47	-13	-70
14	-93	-81	-20	51	112	166	200	182	121	47	-13	-70
15	-94	-80	-19	52	113	167	200	182	121	46	-14	-71
16	-96	-82	-21	52	111	166	198	179	118	44	-17	-71
17	-99	-87	-26	49	108	163	195	176	113	39	-19	-72
18	-100	-91	-35	43	104	160	191	172	107	36	-20	-72
19	-100	-94	-45	33	97	154	186	163	97	33	-21	-72
20	-101	-95	-53	21	87	146	177	150	90	31	-22	-73
21	-101	-97	-59	12	73	134	164	138	86	30	-23	-73
22	-101	-98	-63	06	62	119	151	129	83	28	-24	-73
23	-101	-100	-68	01	55	109	142	123	82	28	-24	-73
24	-102	-102	-72	-03	50	102	135	118	79	27	-25	-73
(д) Средний за 24 часа	-100	-97	-56	18	79	134	166	147	95	33	-22	-73
(е) Суточная амплитуда	11	29	68	68	74	77	76	72	47	24	15	05

Table 2. Daily variation of air temperature. Key: (a) Hours.

(b) Leningrad Region. (c) Voznesen'ye. (d) Average for 24

hours. (e) Daily amplitude.

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(a)

20. Сухо, маяк

1	-79	-90	-70	-12	51	113	158	154	110	53	01	-48
2	-78	-90	-72	-14	50	112	156	152	108	52	01	-48
3	-78	-91	-75	-16	49	110	155	150	107	52	00	-47
4	-78	-93	-77	-17	48	109	153	149	106	51	00	-48
5	-79	-94	-78	-18	47	108	152	147	104	50	00	-48
6	-79	-94	-80	-18	47	108	152	147	103	49	-01	-48
7	-80	-95	-81	-16	48	108	152	147	103	48	-01	-48
8	-80	-95	-76	-12	50	110	153	148	103	48	-01	-48
9	-80	-93	-69	-07	52	113	156	150	104	48	-01	-48
10	-79	-90	-59	00	55	117	159	153	106	49	-01	-47
11	-79	-87	-50	05	57	120	162	156	109	50	00	-48
12	-78	-84	-42	09	60	123	165	159	112	52	00	-47
13	-77	-80	-36	12	61	125	168	162	115	53	01	-47
14	-76	-77	-33	12	61	126	169	163	116	54	03	-47
15	-76	-76	-32	13	62	127	170	164	117	55	03	-47
16	-76	-77	-34	13	62	128	172	165	117	55	03	-47
17	-76	-79	-38	10	62	128	172	165	117	55	03	-47
18	-76	-80	-46	07	60	127	171	164	116	55	02	-47
19	-76	-82	-52	04	60	127	170	163	116	55	02	-47
20	-77	-84	-56	00	58	124	168	161	114	54	01	-48
21	-78	-86	-58	-02	57	123	167	159	113	53	01	-48
22	-78	-87	-62	-04	56	121	165	158	111	52	00	-48
23	-78	-87	-65	-06	55	119	164	156	110	52	00	-49
24	-78	-89	-66	-08	54	117	162	155	109	51	00	-48

(b) Средняя за 24 часа -78 -87 -59 -03 55 118 162 156 110 52 01 -48

(c) Суточная амплитуда 04 19 49 31 15 20 20 18 14 07 04 02

(d) 27. Озерки

1	-81	-93	-73	-05	57	111	147	134	96	46	-01	-48
2	-81	-94	-75	-08	55	109	144	131	94	45	-02	-48
3	-81	-95	-77	-10	52	106	141	130	93	44	-03	-49
4	-81	-95	-78	-12	52	108	142	129	92	43	-03	-50
5	-81	-95	-80	-12	57	115	148	130	91	43	-03	-50
6	-81	-96	-81	-08	67	123	157	137	92	42	-03	-50
7	-82	-96	-79	01	77	131	166	148	96	42	-04	-50
8	-81	-96	-72	08	83	136	171	156	103	44	-03	-49

(a) Sukho, mayak. (b) Average for 24 hours. (c) daily amplitude. (d) Ozerka.

(a) Часы	I,	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
9	-8.1	-9.2	-6.2	1.6	8.9	14.1	17.7	16.2	10.9	4.8	-0.2	-4.9
10	-7.9	-8.5	-5.0	2.4	9.3	14.6	18.2	16.7	11.5	5.2	0.1	-4.8
11	-7.5	-7.9	-4.0	3.0	9.7	15.0	18.6	17.1	11.9	5.6	0.3	-4.6
12	-7.3	-7.3	-3.0	3.4	10.0	15.4	19.0	17.4	12.3	5.9	0.5	-4.4
13	-7.1	-6.8	-2.3	3.9	10.3	15.7	19.3	17.8	12.6	6.2	0.6	-4.3
14	-7.2	-6.7	-2.2	3.9	10.4	15.7	19.3	17.8	12.6	6.2	0.6	-4.3
15	-7.4	-6.7	-1.9	4.0	10.4	15.8	19.4	17.8	12.6	6.1	0.4	-4.4
16	-7.7	-6.9	-2.0	3.9	10.4	15.7	19.4	17.8	12.5	6.0	0.3	-4.5
17	-7.8	-7.5	-2.5	3.7	10.3	15.5	19.1	17.6	12.2	5.7	0.1	-4.6
18	-7.9	-8.0	-3.3	3.3	10.0	15.4	18.8	17.2	11.7	5.4	0.0	-4.6
19	-8.1	-8.3	-4.4	2.4	9.7	15.0	18.4	16.6	11.0	5.1	-0.1	-4.7
20	-8.1	-8.5	-5.0	1.5	8.9	14.4	17.9	15.5	10.5	5.0	-0.1	-4.7
21	-8.1	-8.7	-5.5	1.0	7.8	13.5	16.8	14.7	10.2	4.8	-0.2	-4.8
22	-8.0	-8.9	-5.9	0.6	7.1	12.7	15.9	14.2	9.9	4.7	-0.2	-4.8
23	-8.0	-9.1	-6.4	0.3	6.5	12.1	15.4	13.8	9.6	4.6	-0.2	-4.9
24	-8.1	-9.3	-6.9	0.2	6.1	11.7	15.1	13.6	9.6	4.6	-0.3	-4.9
(b) Средняя за 24 часа	-7.9	-8.5	-5.3	1.4	8.2	13.6	17.1	15.5	10.7	5.0	0.0	-4.7
(c) Суточная амплитуда	1.1	2.9	6.2	5.2	5.2	5.2	5.3	4.9	3.5	2.0	1.0	0.7
(d) 33. Новая Ладога												
1	-9.1	-9.8	-6.5	0.4	6.6	11.3	14.5	12.9	8.7	3.6	-1.6	-5.2
2	-9.0	-10.0	-6.8	0.2	6.3	10.9	14.2	12.5	8.4	3.5	-1.7	-5.3
3	-9.1	-10.1	-7.0	0.0	6.1	10.6	14.0	12.2	8.2	3.4	-1.7	-5.3
4	-9.2	-10.3	-7.3	-0.1	6.0	10.7	13.8	12.1	8.1	3.4	-1.8	-5.3
5	-9.2	-10.1	-7.5	-0.4	6.3	11.3	14.2	12.1	8.0	3.3	-1.8	-5.4
6	-9.3	-10.3	-7.6	-0.2	7.2	12.5	15.2	12.8	8.0	3.2	-1.8	-5.4
7	-9.4	-10.3	-7.6	0.5	8.2	13.6	16.3	13.9	8.5	3.2	-1.9	-5.4
8	-9.5	-10.3	-6.9	1.4	9.0	14.4	17.1	15.1	9.2	3.4	-1.9	-5.4
9	-9.6	-10.0	-5.9	2.4	9.6	15.1	18.0	16.2	10.2	3.8	-1.8	-5.4
10	-9.3	-9.4	-4.8	3.2	10.2	15.6	18.5	17.1	11.1	4.3	-1.6	-5.3
11	-9.1	-8.6	-3.9	3.8	10.6	16.0	19.0	17.6	11.8	4.8	-1.2	-5.2
12	-8.8	-7.9	-3.3	4.2	10.9	16.4	19.3	18.0	12.4	5.2	-1.0	-5.0
13	-8.4	-7.2	-2.6	4.8	11.1	16.6	19.6	18.4	12.8	5.6	-0.7	-5.8
14	-8.5	-7.3	-2.5	4.7	11.1	16.6	19.6	18.4	12.8	5.5	-0.8	-5.9

(a) Hours. (b) Average for 24 hours. (c) Daily amplitude. (d) Novaya Ladoga.

15	-86	-73	-24	47	111	166	197	182	128	54	-09	-59
16	-88	-75	-25	45	111	166	195	181	127	53	-11	-60
17	-89	-80	-29	43	110	165	194	179	123	49	-12	-60
18	-89	-83	-35	38	107	163	193	175	116	45	-12	-61
19	-90	-86	-42	31	104	160	189	168	107	44	-13	-61
20	-91	-89	-46	25	98	152	181	158	102	41	-14	-62
21	-91	-92	-50	20	90	143	171	149	97	39	-15	-62
22	-92	-93	-54	16	83	134	163	142	94	37	-16	-63
23	-92	-95	-58	12	78	126	156	136	91	36	-16	-63
24	-92	-97	-61	10	72	120	150	131	88	34	-16	-64
(a) Среднее за 24 часа	-91	-91	-51	22	90	142	172	154	102	41	-14	-62
(b) Суточная амплитуда	12	30	52	52	51	60	59	63	48	24	12	06

(c) 35. Гогланд												
1	-50	-68	-48	05	60	116	155	151	112	62	20	-19
2	-50	-68	-50	03	58	115	154	149	110	61	19	-19
3	-52	-69	-52	01	56	113	153	147	109	60	19	-20
4	-52	-69	-55	-01	57	114	153	146	108	60	19	-21
5	-53	-70	-56	-03	60	117	156	146	107	59	19	-21
6	-53	-71	-57	-02	64	121	161	152	108	60	19	-21
7	-53	-72	-57	02	66	124	165	158	112	60	18	-20
8	-53	-72	-53	07	70	127	166	160	116	61	19	-21
9	-53	-70	-47	12	72	130	169	163	118	63	19	-20
10	-52	-67	-41	16	76	134	172	166	122	65	20	-20
11	-51	-64	-36	21	79	138	176	169	125	67	21	-20
12	-49	-62	-30	26	82	140	179	172	128	69	22	-19
13	-48	-60	-25	30	84	143	182	175	132	71	22	-19
14	-48	-59	-23	30	85	142	182	175	132	71	22	-20
15	-48	-58	-21	31	85	143	183	176	132	71	21	-20
16	-49	-59	-22	30	85	142	184	175	131	70	20	-20
17	-49	-60	-24	29	84	141	183	174	129	69	20	-20
18	-50	-62	-29	25	82	138	180	172	125	68	20	-20
19	-50	-63	-34	19	78	136	178	168	120	68	19	-20
20	-50	-64	-38	15	72	132	174	162	118	67	19	-21
21	-49	-64	-40	13	68	128	166	158	116	66	19	-21
22	-50	-65	-41	11	64	124	162	155	115	65	19	-21
23	-50	-66	-43	10	64	122	160	153	113	64	18	-21
24	-50	-67	-45	09	62	119	159	152	112	63	18	-21
(a) Среднее за 24 часа	-50	-65	-40	14	72	129	169	161	119	65	20	-20
(b) Суточная амплитуда	05	14	36	34	29	34	31	30	25	12	04	02

(a) Average for 24 hours. (b) Daily amplitude. (c) Gogland.

(a) Часы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
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(b) 45. Ленинград, ГМО

1	-7.9	-8.5	-5.6	0.9	6.9	11.9	15.1	13.6	9.4	4.2	-0.6	-5.2
2	-8.0	-8.6	-5.9	0.6	6.6	11.5	14.8	13.2	9.2	4.1	-0.7	-5.2
3	-8.0	-8.8	-6.2	0.4	6.4	11.3	14.5	13.1	9.0	4.0	-0.8	-5.3
4	-8.0	-8.9	-6.4	0.3	6.3	11.3	14.4	12.9	8.9	3.9	-0.9	-5.3
5	-8.0	-8.9	-6.6	0.2	6.4	11.7	14.7	12.9	8.8	3.8	-1.0	-5.3
6	-8.0	-9.0	-6.8	0.3	7.3	12.6	15.5	13.3	8.8	3.7	-1.0	-5.3
7	-8.0	-9.1	-6.8	1.0	8.4	13.7	16.7	14.4	9.1	3.7	-1.0	-5.3
8	-8.0	-9.1	-6.3	1.9	9.4	14.6	17.5	15.5	9.9	3.9	-1.0	-5.3
9	-8.0	-8.9	-5.3	3.0	10.3	15.4	18.4	16.6	10.8	4.3	-0.9	-5.3
10	-7.9	-8.4	-4.3	4.0	11.0	16.2	19.1	17.4	11.7	4.8	-0.7	-5.2
11	-7.6	-7.8	-3.3	4.8	11.7	16.8	19.7	18.0	12.4	5.3	-0.4	-5.0
12	-7.3	-7.2	-2.4	5.5	12.1	17.1	20.2	18.6	12.9	5.8	-0.1	-4.8
13	-7.0	-6.6	-1.6	6.0	12.6	17.5	20.6	18.9	13.3	6.2	0.1	-4.7
14	-7.1	-6.4	-1.3	6.1	12.6	17.6	20.7	19.0	13.3	6.2	0.1	-4.8
15	-7.2	-6.3	-1.2	6.1	12.6	17.7	20.7	19.0	13.3	6.2	0.0	-4.8
16	-7.3	-6.5	-1.3	6.0	12.5	17.6	20.5	18.8	13.1	6.0	-0.1	-4.8
17	-7.5	-6.8	-1.7	5.6	12.1	17.1	20.0	18.3	12.6	5.6	-0.2	-4.9
18	-7.7	-7.1	-2.4	5.1	11.7	16.7	19.6	17.8	11.9	5.2	-0.3	-4.9
19	-7.7	-7.4	-3.1	4.2	11.1	16.3	19.3	17.1	11.1	5.0	-0.4	-5.0
20	-7.8	-7.6	-3.6	3.4	10.0	15.4	18.5	16.0	10.6	4.8	-0.5	-5.0
21	-7.8	-7.7	-4.2	2.8	9.1	14.5	17.4	15.2	10.2	4.6	-0.5	-5.0
22	-7.8	-7.9	-4.5	2.3	8.3	13.6	16.6	14.6	10.0	4.5	-0.6	-5.1
23	-7.8	-8.1	-4.9	1.9	7.8	13.0	16.0	14.2	9.7	4.3	-0.7	-5.2
24	-7.8	-8.3	-5.3	1.5	7.4	12.5	15.5	13.8	9.5	4.2	-0.7	-5.2

(c) Средняя за 24 часа

(d) Суточная амплитуда

(e) 82. Белогорка

1	-8.8	-9.4	-7.3	-0.2	5.8	10.1	13.1	11.3	7.6	3.1	-1.6	-6.1
2	-8.9	-9.5	-7.6	-0.5	5.7	9.7	12.8	11.0	7.4	3.0	-1.7	-6.2
3	-8.9	-9.7	-7.8	-0.6	5.2	9.4	12.5	10.8	7.2	2.9	-1.8	-6.0
4	-9.0	-9.8	-8.0	-0.8	5.1	9.6	12.5	10.7	7.1	2.8	-1.8	-6.1

(a) Hours. (b) Leningrad, GMO. (c) Average for 24 hours. (d)

Daily amplitude. (e) Belogorka.

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5	-90	-98	-81	-10	56	105	133	107	70	28	-19	-62
6	-90	-99	-83	-06	68	119	144	117	71	27	-19	-62
7	-91	-100	-82	04	83	132	158	133	78	27	-19	-63
8	-90	-99	-73	17	95	144	169	147	88	30	-19	-62
9	-89	-94	-56	31	106	154	179	159	100	35	-17	-62
10	-87	-88	-40	43	114	162	187	169	110	42	-14	-60
11	-84	-79	-27	52	121	169	194	177	118	48	-10	-58
12	-80	-71	-17	58	126	174	199	181	124	53	-07	-56
13	-77	-66	-09	63	131	178	202	186	128	57	-04	-56
14	-77	-64	-08	63	130	177	202	185	128	57	-05	-56
15	-78	-64	-07	64	131	177	202	184	128	56	-06	-57
16	-81	-66	-09	63	130	176	202	183	125	53	-08	-58
17	-83	-71	-14	60	127	174	200	180	120	48	-10	-58
18	-85	-77	-26	54	123	170	194	173	110	43	-12	-59
19	-86	-80	-39	43	117	164	188	163	98	40	-13	-60
20	-87	-84	-47	31	104	154	177	148	90	38	-14	-61
21	-87	-86	-53	21	89	139	161	135	85	35	-14	-61
22	-87	-88	-59	15	78	125	149	127	82	34	-16	-61
23	-87	-90	-64	10	70	116	142	121	79	32	-16	-62
24	-87	-91	-68	06	64	108	136	116	76	31	-17	-62
(a) Средняя за 24 часа	-86	-85	-49	28	95	142	168	147	96	39	-14	-60
(b) Суточная амплитуда	14	36	76	74	80	84	77	79	58	30	15	07

(c) 92. Николаевское

1	-85	-87	-60	11	69	106	137	122	82	35	-13	-59
2	-84	-89	-63	08	65	103	134	120	80	34	-14	-59
3	-85	-90	-66	04	62	99	132	118	78	33	-15	-60
4	-86	-92	-69	01	61	100	131	116	76	32	-15	-60
5	-86	-92	-72	00	64	108	136	116	75	31	-15	-60
6	-86	-94	-73	02	75	121	147	124	75	30	-15	-60
7	-88	-95	-73	11	88	134	159	136	82	30	-16	-60
8	-87	-94	-64	22	101	145	170	149	91	33	-16	-60
9	-86	-90	-52	34	112	156	181	161	103	38	-14	-61
10	-85	-84	-39	46	121	165	189	171	113	45	-11	-59
11	-80	-77	-27	54	128	171	196	179	122	51	-08	-57
12	-77	-70	-16	60	133	177	202	184	129	56	-04	-55
13	-75	-65	-10	65	138	181	205	189	132	60	-03	-54
14	-74	-62	-06	67	140	182	206	189	133	61	-03	-53
15	-75	-61	-05	69	140	182	206	189	133	61	-03	-53

(a) Average for 24 hours. (b) Daily amplitude. (c)

Nikolayevskoye.

(a) Часы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
16	-7.8	-6.1	-0.5	6.8	14.0	18.2	20.5	18.7	13.0	5.8	-0.6	-5.6
17	-8.1	-6.6	-0.9	6.6	13.7	18.0	20.2	18.3	12.5	5.1	-0.8	-5.7
18	-8.2	-7.1	-1.8	6.1	13.3	17.4	19.7	17.7	11.4	4.6	-0.9	-5.8
19	-8.3	-7.4	-2.8	5.2	12.5	16.8	19.0	16.4	10.2	4.3	-1.0	-5.8
20	-8.4	-7.7	-3.6	3.9	11.1	15.6	17.7	14.6	9.5	4.1	-1.2	-5.8
21	-8.5	-8.0	-4.0	3.2	9.5	13.7	16.0	13.7	9.1	3.9	-1.2	-5.8
22	-8.5	-8.1	-4.5	2.6	8.6	12.5	15.1	13.2	8.8	3.8	-1.3	-5.9
23	-8.5	-8.3	-4.9	2.2	8.0	11.8	14.5	12.7	8.6	3.6	-1.4	-6.0
24	-8.5	-8.4	-5.4	1.8	7.5	11.3	14.1	12.3	8.3	3.4	-1.4	-6.0
(b) Средняя за 24 часа	-8.3	-8.0	-4.1	3.5	10.3	14.5	17.1	15.2	10.1	4.2	-1.1	-5.8
(c) Суточная амплитуда	1.4	3.4	6.8	6.9	7.9	8.3	7.5	7.3	5.8	3.1	1.3	0.8

(d) НОВГОРОДСКАЯ ОБЛАСТЬ

(e) 95. Каменка

1	-10.5	-10.8	-7.5	-0.4	5.5	9.5	12.6	11.3	6.8	2.2	-3.0	-8.0
2	-10.5	-10.9	-7.8	-0.8	5.2	9.0	12.2	11.0	6.6	2.1	-3.2	-8.0
3	-10.5	-11.0	-8.1	-1.0	4.9	8.7	12.0	10.8	6.5	2.0	-3.2	-8.0
4	-10.5	-11.3	-8.3	-1.2	4.8	9.0	12.0	10.6	6.4	1.9	-3.4	-8.1
5	-10.6	-11.4	-8.6	-1.3	5.3	10.0	12.7	10.7	6.3	1.8	-3.4	-8.1
6	-10.6	-11.5	-8.7	-1.0	6.6	11.4	13.9	11.6	6.4	1.8	-3.4	-8.1
7	-10.6	-11.5	-8.6	-0.1	7.9	12.7	15.1	12.7	6.9	1.7	-3.5	-8.1
8	-10.6	-11.4	-7.6	1.1	8.9	13.6	16.0	13.6	7.8	1.9	-3.5	-8.2
9	-10.6	-11.0	-6.2	2.2	9.9	14.6	16.9	14.9	8.9	2.4	-3.3	-8.1
10	-10.3	-10.1	-4.8	3.1	10.8	15.3	17.7	15.8	9.8	2.9	-2.9	-8.0
11	-9.9	-9.2	-3.8	3.8	11.5	15.9	18.4	16.5	10.7	3.4	-2.6	-7.8
12	-9.6	-8.6	-3.1	4.4	12.0	16.5	18.8	17.1	11.3	3.9	-2.3	-7.6
13	-9.2	-8.0	-2.4	4.9	12.4	17.0	19.3	17.6	11.9	4.2	-2.1	-7.4
14	-9.0	-7.8	-2.2	5.0	12.5	17.2	19.4	17.6	12.0	4.4	-2.1	-7.5
15	-9.1	-7.7	-2.1	5.2	12.6	17.2	19.5	17.6	12.0	4.3	-2.1	-7.6
16	-9.3	-7.8	-2.2	5.1	12.5	17.2	19.4	17.6	11.8	4.1	-2.4	-7.7
17	-9.7	-8.3	-2.6	4.8	12.3	16.9	19.3	17.2	11.2	3.7	-2.5	-7.8
18	-9.9	-9.0	-3.3	4.4	11.9	16.6	18.9	16.6	10.3	3.2	-2.7	-7.9

(a) Hours. (b) Average for 24 hours. (c) Daily amplitude. (d)

Novgorod Region. (e) Kamenka.

19	-10.0	-9.4	-4.3	3.7	11.3	16.1	18.3	15.6	9.2	2.9	-2.8	-7.9
20	-10.1	-9.8	-5.0	2.6	10.2	15.0	17.2	14.2	8.5	2.6	-2.8	-8.0
21	-10.2	-10.0	-5.6	1.7	8.7	13.4	15.5	13.0	7.9	2.4	-2.8	-8.0
22	-10.3	-10.2	-6.1	1.1	7.5	12.0	14.4	12.4	7.5	2.3	-2.9	-8.0
23	-10.4	-10.4	-6.6	0.4	6.7	10.9	13.7	12.0	7.3	2.2	-3.0	-8.1
24	-10.4	-10.5	-7.0	0.2	6.1	10.3	13.0	11.6	7.0	2.0	-3.0	-8.2
(a) Средняя за 24 часа	-10.1	-9.9	-5.5	2.0	9.1	13.6	16.1	14.2	8.8	2.8	-2.9	-7.9
(b) Суточная амплитуда	1.6	3.8	6.6	6.5	7.8	8.5	7.5	7.0	5.7	2.7	1.4	0.8

(c) 110. Валдай												
1	-9.9	-10.2	-7.0	0.3	6.7	10.9	13.4	12.3	8.1	3.0	-2.5	-7.3
2	-9.9	-10.3	-7.3	0.0	6.4	10.6	13.2	12.1	7.9	2.8	-2.6	-7.4
3	-10.0	-10.4	-7.5	-0.2	6.2	10.4	13.0	11.9	7.9	2.7	-2.6	-7.4
4	-10.0	-10.6	-7.9	-0.4	6.0	10.3	12.8	11.7	7.6	2.6	-2.7	-7.4
5	-10.0	-10.8	-8.2	-0.5	6.3	11.0	13.3	11.7	7.5	2.5	-2.7	-7.4
6	-10.1	-10.7	-8.4	-0.3	7.3	12.1	14.2	12.3	7.4	2.4	-2.7	-7.4
7	-10.2	-10.8	-8.3	0.6	8.6	13.3	15.5	13.3	7.9	2.4	-2.8	-7.5
8	-10.2	-10.8	-7.4	1.7	9.7	14.4	16.5	14.2	8.6	2.6	-2.8	-7.5
9	-10.1	-10.4	-6.0	3.0	10.6	15.3	17.4	15.3	9.4	2.9	-2.6	-7.4
10	-9.8	-9.7	-4.6	4.1	11.5	16.1	18.2	16.3	10.4	3.4	-2.3	-7.3
11	-9.5	-8.9	-3.4	4.9	12.1	16.7	18.9	17.0	11.1	3.9	-1.9	-7.1
12	-9.0	-8.2	-2.4	5.6	12.7	17.2	19.5	17.6	11.7	4.4	-1.5	-6.8
13	-8.6	-7.5	-1.6	6.0	13.2	17.6	19.9	18.1	12.2	4.8	-1.3	-6.6
14	-8.6	-7.3	-1.4	6.1	13.3	17.6	19.8	18.1	12.2	4.8	-1.2	-6.6
15	-8.6	-7.2	-1.2	6.2	13.4	17.7	19.8	18.1	12.2	4.8	-1.4	-6.8
16	-8.8	-7.4	-1.3	6.1	13.3	17.5	19.8	18.0	12.1	4.6	-1.6	-6.9
17	-9.0	-7.9	-1.8	5.7	13.2	17.3	19.5	17.7	11.7	4.2	-1.9	-7.0
18	-9.2	-8.4	-2.6	5.2	12.6	16.9	19.1	17.0	10.9	3.9	-2.0	-7.0
19	-9.4	-8.8	-3.6	4.2	11.9	16.3	18.5	16.1	9.9	3.6	-2.2	-7.1
20	-9.6	-9.1	-4.4	3.2	10.7	15.3	17.3	14.8	9.3	3.4	-2.3	-7.2
21	-9.7	-9.3	-5.0	2.4	9.4	13.7	15.8	13.8	8.9	3.2	-2.4	-7.2
22	-9.8	-9.5	-5.5	1.8	8.4	12.7	14.8	13.3	8.6	3.1	-2.5	-7.2
23	-9.8	-9.8	-5.9	1.4	7.8	11.8	14.3	12.8	8.3	3.0	-2.6	-7.3
24	-9.8	-9.8	-6.5	1.0	7.2	11.4	13.9	12.5	8.1	2.9	-2.6	-7.3
(a) Средняя за 24 часа	-9.6	-9.3	-5.0	2.8	9.9	14.3	16.6	14.8	9.6	3.4	-2.2	-7.2
(b) Суточная амплитуда	1.6	3.6	7.2	6.7	7.4	7.4	7.1	6.4	4.8	2.4	1.6	0.9

(a) Average for 24 hours. (b) Daily amplitude. (c) Valday.

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(a) часы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
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(b) 116. Холм

1	-87	-90	-59	18	75	112	137	122	82	39	-09	-58
2	-87	-92	-62	16	72	109	134	119	80	38	-10	-58
3	-88	-93	-66	14	71	107	132	116	79	37	-11	-58
4	-88	-94	-70	12	70	107	131	115	78	36	-11	-59
5	-88	-94	-72	12	73	114	135	115	77	36	-11	-60
6	-89	-96	-74	14	84	126	146	122	77	36	-12	-60
7	-89	-97	-75	21	98	140	159	134	82	36	-12	-60
8	-88	-94	-66	32	111	153	171	148	93	39	-11	-60
9	-87	-90	-51	44	123	163	182	161	104	45	-09	-59
10	-84	-82	-36	55	132	172	191	173	115	52	-05	-58
11	-79	-73	-23	63	139	179	198	182	124	60	-01	-55
12	-74	-64	-12	70	146	185	204	189	133	66	03	-53
13	-70	-56	-02	77	151	189	208	195	138	70	06	-50
14	-69	-55	-01	78	151	190	208	195	138	70	05	-51
15	-70	-55	00	78	150	190	208	195	137	69	04	-52
16	-73	-56	-02	77	150	190	207	193	135	66	01	-53
17	-76	-60	-05	75	146	188	205	189	130	61	-02	-55
18	-79	-64	-11	70	142	184	201	184	120	55	-04	-55
19	-81	-69	-18	62	136	178	195	173	110	51	-05	-56
20	-83	-73	-26	52	123	165	184	158	102	48	-06	-57
21	-84	-78	-32	43	110	151	170	148	96	46	-07	-57
22	-86	-81	-39	36	99	138	160	139	92	43	-09	-58
23	-87	-84	-45	30	90	128	151	132	88	41	-09	-59
24	-87	-87	-52	26	83	120	144	126	84	39	-10	-59

(c) Средняя за 24 часа	-82	-78	-37	45	114	153	174	155	104	49	-06	-57
(d) Суточная амплитуда	20	42	75	66	81	83	77	80	61	34	18	10

(a) Hours. (b) Kholm. (c) Average for 24 hours. (d) Daily amplitude.

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(a) ПСКОВСКАЯ ОБЛАСТЬ

(b) 117. Год

1	-7.7	-8.2	-6.1	1.0	7.2	11.8	14.7	13.3	9.7	4.8	-0.2	-4.7
2	-7.8	-8.2	-6.3	0.8	6.8	11.5	14.4	13.0	9.5	4.6	-0.2	-4.7
3	-7.9	-8.4	-6.6	0.4	6.4	11.2	14.2	12.6	9.3	4.5	-0.3	-4.7
4	-7.8	-8.5	-6.8	0.3	6.2	11.2	14.1	12.4	9.1	4.5	-0.3	-4.7
5	-7.9	-8.5	-7.0	0.2	6.6	11.8	14.6	12.4	9.0	4.4	-0.4	-4.8
6	-7.9	-8.5	-7.1	0.4	7.5	12.7	15.6	13.2	9.0	4.3	-0.3	-4.7
7	-7.9	-8.5	-6.9	1.2	8.7	13.7	16.6	14.4	9.6	4.4	-0.4	-4.8
8	-8.0	-8.6	-6.3	2.1	9.6	14.5	17.4	15.6	10.4	4.6	-0.4	-4.8
9	-7.9	-8.3	-5.4	3.1	10.4	15.2	18.2	16.5	11.3	5.1	-0.3	-4.8
10	-7.7	-7.8	-4.2	3.9	11.0	15.9	18.9	17.3	12.0	5.6	-0.1	-4.6
11	-7.4	-7.2	-3.3	4.5	11.6	16.6	19.4	17.8	12.6	6.1	0.2	-4.5
12	-7.3	-6.6	-2.4	5.0	12.1	17.1	19.9	18.4	13.1	6.5	0.4	-4.4
13	-7.0	-6.2	-1.8	5.5	12.6	17.6	20.4	18.7	13.6	6.7	0.6	-4.3
14	-7.0	-6.0	-1.5	5.7	12.8	17.7	20.5	18.9	13.8	6.8	0.6	-4.3
15	-7.0	-6.0	-1.2	5.8	13.0	17.8	20.6	19.0	13.7	6.8	0.4	-4.4
16	-7.2	-6.2	-1.4	5.8	13.0	17.8	20.6	18.8	13.5	6.6	0.2	-4.5
17	-7.3	-6.8	-1.9	5.5	12.9	17.7	20.4	18.6	13.0	6.1	0.0	-4.6
18	-7.4	-7.2	-2.7	5.0	12.5	17.2	19.8	18.0	12.3	5.7	0.0	-4.6
19	-7.4	-7.4	-3.4	4.1	11.8	16.7	19.2	17.0	11.5	5.4	0.0	-4.7
20	-7.5	-7.5	-4.0	3.4	10.7	15.7	18.2	15.8	11.0	5.2	-0.1	-4.7
21	-7.6	-7.8	-4.4	2.8	9.6	14.5	17.1	14.9	10.6	5.1	-0.2	-4.8
22	-7.6	-7.9	-4.8	2.5	8.8	13.6	16.2	14.3	10.3	4.9	-0.3	-4.8
23	-7.6	-8.0	-5.2	2.0	8.2	12.9	15.7	13.8	10.0	4.8	-0.3	-4.8
24	-7.7	-8.1	-5.6	1.7	7.7	12.4	15.2	13.5	9.8	4.7	-0.4	-4.8
(c) Средняя за 24 часа	-7.6	-7.6	-4.4	3.0	9.9	14.8	17.6	15.8	11.2	5.3	-0.1	-4.6
(d) Суточная амплитуда	1.0	2.6	5.9	5.6	6.8	6.6	6.5	6.6	4.8	2.5	1.0	0.5

(a) Pskov Region. (b) 6dov. (c) Average for 24 hours. (d) Daily amplitude.

ТАБЛИЦА 3

СРЕДНЯЯ СУТОЧНАЯ АМПЛИТУДА ТЕМПЕРАТУРЫ ВОЗДУХА ПРИ
ЯСНОМ, ПОЛУЯСНОМ И ПАСМУРНОМ НЕБЕ И ВНЕ ЗАВИСИМОСТИ
ОТ СОСТОЯНИЯ НЕБА (ПО ХАРАКТЕРИСТИКЕ НИЖНЕЙ ОБЛАЧНОСТИ)

(a) Состояние неба	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
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(b) ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

(c) 45. Ленинград, ГМО

(d) Ясно	6.4	8.1	10.0	10.2	10.9	10.6	10.4	10.1	9.6	7.1	5.5	5.4
(e) Полуясно	6.7	7.4	7.4	7.5	9.2	8.6	8.3	7.8	7.0	5.6	4.6	6.2
(f) Пасмурно	4.5	5.0	4.2	4.8	6.1	5.8	5.6	4.7	4.5	4.0	3.3	3.7
(g) Вне зависимости от со- стояния неба	5.4	6.4	7.3	7.8	9.3	8.9	8.7	8.1	6.9	4.9	3.8	4.4

(h) 76. Тихвин

(d) Ясно	9.9	12.5	14.7	14.0	16.2	15.9	15.7	15.8	14.3	11.1	7.9	8.5
(e) Полуясно	8.1	8.7	9.5	9.1	11.7	12.0	11.6	11.0	9.7	6.7	6.0	7.0
(f) Пасмурно	4.7	5.2	4.9	5.4	7.4	6.9	6.6	6.7	5.7	4.3	3.4	4.1
(g) Вне зависимости от со- стояния неба	6.8	7.9	9.9	9.8	12.3	12.1	12.1	11.6	9.4	6.0	4.6	5.4

(i) НОВОГОРОДСКАЯ ОБЛАСТЬ

(j) 96. Веребье

(d) Ясно	9.1	11.4	13.8	12.9	14.2	14.6	14.6	14.4	12.8	9.5	7.5	8.2
(e) Полуясно	7.6	7.8	8.4	8.6	11.5	11.3	11.1	10.0	8.7	6.3	5.4	6.5
(f) Пасмурно	4.2	4.7	4.4	5.1	7.6	6.7	7.0	5.6	5.3	4.2	3.3	3.7
(g) Вне зависимости от со- стояния неба	6.3	7.3	9.1	9.2	11.7	11.6	11.6	10.8	8.7	6.7	4.4	5.0

(k) 110. Валдай

(d) Ясно	8.8	11.5	14.0	12.4	13.5	13.3	12.8	12.5	12.0	9.3	7.6	7.8
(e) Полуясно	8.4	8.4	8.6	8.6	10.6	10.2	9.6	9.0	8.1	6.0	5.3	7.4
(f) Пасмурно	5.0	5.0	4.8	5.1	7.0	6.3	6.0	5.4	5.1	3.9	3.6	4.1
(g) Вне зависимости от со- стояния неба	6.6	7.3	8.8	8.9	10.7	10.4	10.2	9.6	8.0	5.4	4.4	5.2

(l) ПСКОВСКАЯ ОБЛАСТЬ

(m) 125. Псков

(d) Ясно	7.0	9.8	11.5	11.5	14.0	13.2	13.2	13.8	13.4	9.5	7.0	6.6
(e) Полуясно	7.4	7.8	8.1	7.7	10.6	10.5	10.2	9.6	9.0	6.6	5.3	6.6
(f) Пасмурно	4.7	4.7	4.5	5.0	6.8	6.9	7.0	6.0	5.1	4.3	3.5	3.7
(g) Вне зависимости от со- стояния неба	6.1	6.9	8.2	8.3	11.1	11.0	10.6	10.4	9.1	6.1	4.3	4.8

(n) 137. Великие Луки

(d) Ясно	9.5	11.3	13.2	13.8	16.0	15.6	15.4	16.6	14.8	12.2	9.4	9.1
(e) Полуясно	8.3	8.6	9.2	9.7	12.3	12.1	12.0	11.4	10.3	7.7	6.3	7.0
(f) Пасмурно	5.1	5.2	4.4	6.2	7.9	7.4	7.4	7.1	6.2	5.1	3.9	4.1
(g) Вне зависимости от со- стояния неба	6.6	7.3	9.0	9.8	12.1	12.0	11.7	11.1	9.7	6.7	4.9	5.0

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Table 3. Average daily amplitude of air temperature with clear, partly clear and overcast sky and outside the dependence of the condition of the sky (according to character of lower cloudiness). Key: (a) Condition of sky. (b) Leningrad Region. (c) Leningrad, GMD. (d) Clear. (e) Partly clear. (f) Overcast. (g) Outside the dependence of the condition of the sky. (h) Tikhvin. (i) Novogorod Region. (j) Vereb'ye. (k) Valday. (l) Pskov Region. (m) Pskov. (n) Velikiye Luki.

ТАБЛИЦА 3а

**ПОВТОРЯЕМОСТЬ (%) СУТОЧНОЙ АМПЛИТУДЫ ТЕМПЕРАТУРЫ
ВОЗДУХА В РАЗЛИЧНЫХ ПРЕДЕЛАХ (ВНЕ ЗАВИСИМОСТИ
ОТ СОСТОЯНИЯ НЕБА)**

(а) Амплитуда		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
(б)	от (с) до												

(а) ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

(с) 45. Ленинград, ГМО

0.0	0.9	0.6	0.2					0.1				0.2	1.1	0.8
1.0	3.9	37.6	29.4	20.7	13.7	4.2	2.7	2.9	7.5	16.0	39.6	59.9	52.7	
4.0	6.9	35.0	32.6	30.7	29.4	20.8	26.6	26.4	29.4	37.9	41.7	32.5	30.0	
7.0	9.9	17.4	23.6	25.0	30.2	32.6	34.5	36.5	35.6	28.2	16.1	5.6	11.9	
10.0	12.9	6.3	9.7	14.7	19.4	27.7	26.3	26.5	22.3	16.2	2.2	0.8	3.7	
13.0	15.9	2.1	3.3	6.9	5.5	12.3	8.6	7.3	5.1	1.7			0.7	
16.0	18.9	0.8	1.1	2.0	1.6	2.0	1.0	0.3	0.1		0.1	0.1	0.1	
19.0	21.9	0.2		0.2	0.4	0.3					0.1		0.1	
22.0	24.9		0.1											

(ф) Наибольшая 20.4 22.4 18.7 20.1 19.4 19.2 16.5 16.6 15.0 21.0 16.0 19.6

(г) Наименьшая 0.7 0.8 1.1 1.1 1.6 2.4 0.6 1.1 1.6 0.8 0.6 0.6

(б) 78. Тихвин

0.0	0.9	0.3	0.2								0.1	0.4	1.6	
1.0	3.9	29.4	25.6	14.9	10.0	1.7	1.8	1.6	3.0	7.7	28.9	51.8	42.8	
4.0	6.9	31.9	26.4	26.4	22.6	10.5	10.3	9.5	15.2	26.5	39.4	30.7	30.4	
7.0	9.9	17.7	18.7	18.4	23.9	19.9	21.0	21.5	21.9	24.0	20.0	10.8	13.4	
10.0	12.9	11.1	11.8	12.6	19.4	26.6	25.8	25.8	21.4	19.5	8.4	4.3	6.8	
13.0	15.9	5.6	8.8	9.8	13.0	18.0	19.4	22.8	19.2	13.2	2.4	1.7	3.2	
16.0	18.9	3.0	5.1	7.1	8.1	15.2	16.6	13.3	13.7	7.8	0.8	0.1	1.5	
19.0	21.9	0.8	2.4	4.4	1.9	7.0	4.1	5.3	5.5	1.3		0.2	0.3	
22.0	24.9	0.1	0.8	5.0	0.8	1.1	1.0	0.2	0.1					
25.0	27.9	0.1	0.2	1.3	0.1									
>28.0				0.1	0.2									

(ф) Наибольшая 26.0 27.5 28.9 28.5 23.9 23.0 22.7 22.4 21.4 17.9 21.9 20.6

(г) Наименьшая 0.9 0.9 1.5 1.3 1.7 1.8 1.2 1.3 1.2 0.8 0.9 0.3

(и) НОВГОРОДСКАЯ ОБЛАСТЬ

(с) 96. Веребье

0.0	0.9	0.7	0.1								0.1	0.7	1.1	
1.0	3.9	34.2	27.7	18.2	9.2	1.6	2.6	0.9	3.7	9.1	33.5	53.3	48.2	
4.0	6.9	31.1	29.6	25.3	22.9	11.2	9.0	13.3	17.9	29.2	35.8	32.1	29.3	
7.0	9.9	17.5	18.0	19.1	28.7	21.8	23.8	21.4	24.5	25.8	21.0	9.9	11.2	
10.0	12.9	8.3	11.6	14.1	19.9	28.0	28.1	28.1	22.9	21.4	7.0	2.0	5.8	
13.0	15.9	5.6	6.6	8.7	12.2	20.6	20.4	21.6	16.2	9.7	2.0	1.6	2.9	
16.0	18.9	2.0	3.8	8.1	4.9	11.7	13.0	11.8	11.6	4.4	0.6	0.3	0.7	
19.0	21.9	0.5	2.6	4.8	1.5	4.8	2.8	2.8	3.1	0.4		0.1	0.7	
22.0	24.9		1.7	0.6	0.3	0.3	0.1	0.1					0.1	
25.0	27.9	0.1		0.1										

(ф) Наибольшая 25.9 21.8 24.6 25.1 23.1 24.2 22.5 22.1 20.0 18.1 20.4 24.3

(г) Наименьшая 0.7 0.8 1.0 1.2 1.7 1.7 2.4 2.2 1.6 0.9 0.5 0.7

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Table 3a. Repetition (o/o) of daily amplitude of air temperature in various limits (outside the dependence of the condition of the sky). Key: (a) Amplitude. (b) From. (c) to. (d) Leningrad Region. (e) Leningrad, GMD. (f) Greatest. (g) Least. (h) Tikhvin. (i) Novgorod Region. (j) Vereb'ye.

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(a) Амплитуда		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
(b) от	(c) до												

(d) 110. Валдай

0.0	0.9	0.3		0.2						0.1		1.1	1.4
1.0	3.9	31.0	24.9	19.9	11.5	1.8	3.1	1.4	4.8	11.9	35.9	51.3	45.9
4.0	6.9	30.4	31.1	23.6	25.5	15.5	13.1	16.6	19.9	33.7	37.7	33.2	28.0
7.0	9.9	18.4	20.0	18.8	27.4	25.4	28.7	31.4	31.2	25.9	18.5	10.7	14.2
10.0	12.9	11.7	12.4	16.4	18.4	28.9	31.1	29.9	25.4	17.0	7.0	2.9	6.1
13.0	15.9	5.4	6.6	9.4	10.9	20.0	19.2	16.1	14.1	9.7	0.8	0.7	2.6
16.0	18.9	2.3	2.5	7.5	4.3	7.9	4.4	4.2	4.5	1.7	0.1	0.1	1.3
19.0	21.9	0.4	2.2	3.7	1.7	0.5	0.4	0.4	0.1				0.4
22.0	24.9		0.3	0.5	0.3								0.1
25.0	27.9	0.1											

(e) Наибольшая 27.5 23.8 23.9 24.1 20.5 20.5 20.0 19.6 17.3 16.7 17.7 23.5

(f) Наименьшая 0.7 1.1 0.8 1.4 1.6 1.0 1.5 1.3 0.8 1.3 0.5 0.5

(g) ПСКОВСКАЯ ОБЛАСТЬ

(h) 125. Псков

0.0	0.9	0.6	0.2	0.1									1.6
1.0	3.9	31.4	24.5	18.8	8.2	1.8	0.9	0.8	2.5	7.1	24.8	52.1	46.6
4.0	6.9	35.1	31.3	27.4	26.1	11.7	12.0	12.9	18.1	28.5	41.0	34.1	33.8
7.0	9.9	19.3	23.5	21.3	28.2	24.5	27.6	33.4	26.6	25.8	24.8	12.4	10.0
10.0	12.9	9.0	11.8	18.2	24.0	29.0	30.7	29.0	27.3	21.2	6.6	1.2	4.7
13.0	15.9	2.6	5.5	7.5	9.7	24.5	21.9	18.4	16.7	10.4	2.3	0.2	2.5
16.0	18.9	1.2	2.7	4.2	2.7	7.5	6.7	4.6	7.7	5.9	0.5		0.7
19.0	21.9	0.4	0.3	1.3	1.1	1.0	0.2	0.9	1.1	0.8			
22.0	24.9	0.3	0.2	1.2						0.3			
25.0	27.9												0.1
>28.0	0.1												

(e) Наибольшая 33.5 23.2 23.8 20.3 20.8 19.2 20.9 21.8 22.4 18.4 13.4 25.2

(f) Наименьшая 0.5 0.7 0.9 1.5 2.5 2.6 2.9 2.0 2.1 1.2 1.1 0.9

(i) 137. Великие Луки

0.0	0.9	1.5	0.3									0.2	1.4
1.0	3.9	31.5	26.3	18.7	6.4	0.9	1.2	1.4	1.8	5.5	20.0	44.1	46.2
4.0	6.9	25.5	27.1	22.3	23.9	9.2	8.6	9.2	17.6	26.7	39.7	35.5	26.6
7.0	9.9	23.0	19.3	20.2	23.4	25.4	21.4	24.0	24.6	25.2	24.2	14.5	15.9
10.0	12.9	12.5	17.7	17.5	21.0	18.5	27.6	28.7	23.7	17.6	11.3	5.0	7.8
13.0	15.9	3.0	6.5	9.0	16.0	29.2	24.6	21.9	15.7	16.4	3.9	0.5	1.4
16.0	18.9	2.5	1.4	6.7	6.7	13.8	14.3	12.7	12.0	7.4	0.9	0.2	0.7
19.0	21.9	0.5	1.1	5.1	2.4	2.1	2.1	2.1	4.4	1.2			
22.0	24.9		0.3	0.5	0.2	0.9	0.2		0.2				
25.0	27.9						0.2						

(e) Наибольшая 20.2 24.2 23.6 22.1 22.4 25.9 21.2 22.3 21.7 16.6 16.2 18.1

(f) Наименьшая 0.7 0.8 1.3 1.5 2.9 3.5 1.7 2.3 1.4 1.1 0.9 0.8

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(a) Amplitude. (b) From. (c) to. (d) Valday. (e) Greatest. (f)

Least. (g) Pskov Region. (h) Pskov. (i) Velikiye Luki.

ТАБЛИЦА 4

СРЕДНЯЯ МЕЖДУСУТОЧНАЯ ИЗМЕНЧИВОСТЬ ТЕМПЕРАТУРЫ ВОЗДУХА

(a) № станции	(b) Станция													(f) Год
		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	

(c) ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

45	Ленинград, ГМО.	3.2	3.1	2.4	1.9	2.2	2.0	1.6	1.4	1.6	1.7	2.0	2.7	2.2
76	Тихвин	3.5	3.4	2.8	1.9	2.1	1.9	1.7	1.5	2.0	1.9	2.2	3.0	2.3

(d) НОВГОРОДСКАЯ ОБЛАСТЬ

96	Веребье	3.3	3.0	2.6	2.0	2.2	2.0	1.8	1.6	1.9	1.9	2.1	2.7	2.3
110	Валдай	3.3	3.1	2.6	1.9	2.1	1.9	1.6	1.5	1.8	1.9	2.1	2.8	2.2

(e) ПСКОВСКАЯ ОБЛАСТЬ

125	Псков	3.2	3.1	2.4	1.7	2.1	1.8	1.5	1.3	1.6	1.9	2.1	2.5	2.1
137	Великие Луки . .	3.4	3.1	2.4	1.8	2.2	2.1	1.8	1.6	1.8	1.9	2.2	2.8	2.3

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Table 4. Average interdiurnal variation of air temperature.

Key: (a) No. of station. (b) Station. (c) Leningrad Region. (d) Novgorod Region. (e) Pskov Region. (f) Year.

45. Leningrad, 6M0. 76. Tikhvin. 96. Vereb'ye. 110. Valday.
125. Pskov. 137. Velikiye Luki.

ТАБЛИЦА 4а

ПОВТОРЯЕМОСТЬ МЕЖДУСУТОЧНОЙ ИЗМЕНЧИВОСТИ ТЕМПЕРАТУРЫ
ВОЗДУХА В ОПРЕДЕЛЕННЫХ ПРЕДЕЛАХ (%)

(a) Температура													
(b) от	(c) до	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII

(d) ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

(e) 45. Ленинград, ГМО

-15.9	-14.0	0.1	0.1										0.04
-13.9	-12.0	0.4	0.1	0.04			0.04						0.2
-11.9	-10.0	0.6	0.4	0.2	0.04	0.4	0.1					0.2	0.5
-9.9	-8.0	1.7	1.8	0.8	0.1	0.7	0.4	0.1	0.04	0.04	0.1	0.2	1.0
-7.9	-6.0	4.4	3.9	1.9	1.1	2.0	1.3	0.5	0.3	0.7	0.5	1.3	3.2
-5.9	-4.0	7.1	7.6	5.5	3.5	5.4	3.8	3.2	2.3	2.8	3.8	5.4	7.5
-3.9	-2.0	15.9	15.9	12.9	10.9	11.1	12.8	11.7	12.3	12.5	14.3	15.0	15.3
-1.9	-0.1	21.7	20.9	25.7	29.0	22.9	26.2	30.4	29.7	36.9	36.2	31.8	25.8
0.0	1.9	19.8	20.0	28.0	33.4	31.7	32.3	37.2	45.1	34.5	30.2	26.8	22.4
2.0	3.9	12.8	14.6	14.8	15.7	18.3	17.8	14.0	9.2	10.4	11.1	13.2	13.1
4.0	5.9	7.6	6.8	6.2	5.1	5.6	4.6	2.7	1.0	2.0	3.1	4.4	5.9
6.0	7.9	3.6	4.3	2.6	1.0	1.7	0.6	0.2		0.2	0.4	1.3	3.1
8.0	9.9	2.1	2.3	1.0	0.1	0.2	0.1		0.04		0.3	0.3	1.4
10.0	11.9	1.4	0.8	0.3	0.04	0.04						0.1	0.2
12.0	13.9	0.5	0.3	0.04									0.2
14.0	15.9	0.04	0.2	0.04									0.1
16.0	17.9	0.2	0.04										0.04
18.0	19.9	0.1	0.04										

(f) 76. Тихвин

-15.9	-14.0	0.5	0.1										0.3
-13.9	-12.0	0.8	0.6	0.1								0.1	0.7
-11.9	-10.0	1.1	0.6	0.4		0.3						0.1	0.3
-9.9	-8.0	2.7	2.7	1.8	0.4	0.4	0.4		0.1		0.3	0.7	2.4
-7.9	-6.0	3.9	4.4	2.6	0.6	1.2	1.1	0.5	0.9	0.9	1.4	2.4	3.5
-5.9	-4.0	7.5	7.2	6.9	3.1	5.1	4.0	2.3	2.2	6.1	4.8	5.6	6.2
-3.9	-2.0	14.0	15.1	13.6	12.8	12.5	11.7	14.1	12.9	16.2	14.1	14.5	14.8
-1.9	-0.1	20.2	19.2	21.5	26.2	25.5	28.0	31.5	36.7	31.6	33.8	29.2	24.3
0.0	1.9	21.1	19.6	26.4	34.4	31.7	32.4	33.4	34.1	27.7	28.4	26.0	23.6
2.0	3.9	11.9	12.9	13.5	15.1	16.8	17.1	16.3	10.5	11.8	10.9	14.6	9.6
4.0	5.9	7.7	7.2	6.6	6.3	5.6	4.2	1.7	2.6	4.0	5.6	4.6	7.8
6.0	7.9	3.2	6.1	3.6	1.0	0.4	1.1	0.1		1.7	0.6	1.4	3.5
8.0	9.9	2.7	2.2	2.2	0.1	0.4		0.1				0.7	1.3
10.0	11.9	0.9	1.0	0.8		0.1					0.1	0.1	1.3

Table 4a. Repetition of interdiurnal variation of air temperature in certain limits (a/o). Keys: (a) Temperature. (b) From. (c) to. (d) Leningrad Region. (e) Leningrad, GMD. (f) Tikhvin.

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(e) Температура													
(p) от	(c) до	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII

120	139	1.1	0.9										0.4
140	159	0.4	0.1										
160	179	0.3											
180	199		0.1										

(d) НОВГОРОДСКАЯ ОБЛАСТЬ

(e) 96. Веребье

<-20.0	0.1												
-19.9 -18.0													
-17.9 -16.0													0.1
-15.9 -14.0	0.1		0.1										0.1
-13.9 -12.0	0.5												0.3
-11.9 -10.0	0.8	1.2	0.1		0.3								0.7
-9.9 -8.0	1.6	1.5	1.5		0.4	0.3	0.1		0.1	0.6	0.6	1.8	
-7.9 -6.0	3.0	3.2	2.6	1.0	1.9	1.7	0.8	0.7	1.6	2.0	2.2	3.1	
-5.9 -4.0	8.6	6.3	5.2	3.9	5.4	4.4	3.6	3.1	4.8	4.1	4.8	5.6	
-3.9 -2.0	14.9	13.9	13.2	11.6	13.0	12.5	14.1	14.0	14.8	15.8	15.8	14.4	
-1.9 -0.1	22.0	23.9	25.2	25.1	25.9	26.7	32.2	33.5	35.3	32.5	29.1	27.2	
0.0	1.9	19.9	19.9	25.8	35.3	26.8	30.7	29.4	33.4	26.4	27.8	28.1	23.7
2.0	3.9	13.2	13.7	13.4	15.7	18.3	17.7	16.3	11.8	12.2	12.6	13.3	11.9
4.0	5.9	7.0	9.3	7.3	5.6	7.0	4.9	3.1	3.2	3.3	3.5	4.6	5.9
6.0	7.9	4.8	3.6	3.8	1.5	0.8	1.1	0.4	0.3	1.4	1.0	1.0	3.1
8.0	9.9	1.2	2.1	1.1	0.3	0.1				0.1	0.1	0.4	1.3
10.0	11.9	1.5	1.0	0.7								0.1	0.4
12.0	13.9	0.8	0.3			0.1							0.1
14.0	15.9		0.1										0.3
16.0	17.9												

(f) 110. Валдай

-15.9 -14.0	0.1	0.1											0.2
-13.9 -12.0	0.1	0.6											0.6
-11.9 -10.0	0.9	0.4	0.1		0.1					0.1			0.9
-9.9 -8.0	2.3	1.4	1.0	0.1	0.6	0.4				0.4	0.3	0.5	1.4
-7.9 -6.0	7.2	7.1	6.7	4.3	4.8	4.1	3.4	2.7	3.5	4.2	3.5	5.5	
-3.9 -2.0	17.0	14.0	13.7	11.2	12.5	11.5	12.0	12.5	14.4	14.5	16.8	15.4	
-1.9 -0.1	20.9	23.2	25.6	26.1	24.3	29.3	33.4	34.9	33.4	34.7	30.2	26.1	
0.0	1.9	18.6	19.5	22.8	35.3	32.7	31.2	33.0	36.4	30.7	27.3	25.4	22.2
2.0	3.9	13.1	13.6	13.9	16.4	16.8	18.3	15.2	11.6	12.1	12.5	15.2	12.9
4.0	5.9	7.2	8.1	8.2	4.9	6.1	3.6	2.1	1.6	2.9	3.7	4.1	5.3

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(a) Temperature. (b) from. (c) to. (d) Novgorod Region. (e)
Veneb'ye. (f) Valday.

[illegible][illegible]

(d) ПСКОВСКАЯ ОБЛАСТЬ

(e) 125. Псков

[illegible]

(f) 137. Великие Луки

[illegible]

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(a) Temperature. (b) From. (c) to. (d) Pskov Region. (e) Pskov.

(f) Velikiye Luki.

ТАБЛИЦА 5

ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА
ВЫШЕ И НИЖЕ ОПРЕДЕЛЕННЫХ ПРЕДЕЛОВ И ЧИСЛО ДНЕЙ
С ТЕМПЕРАТУРОЙ, ПРЕВЫШАЮЩЕЙ ЭТИ ПРЕДЕЛЫ

(a) № станции	(b) Станция	(c) Температура					
		-10	-5	0	5	10	15

(d) ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

1	Токари	23 II 29 XII 308	21 III 25 XI 248	9 IV 28 X 201	1 V 2 X 153	26 V 10 IX 106	29 V 10 VIII 41
2	Лесогорский		16 III 9 XII 267	7 IV 8 X 214	29 IV 7 X 160	22 V 11 IX 111	25 VI 10 VIII 45
3	Приозерск		17 III 14 XII 271	7 IV 10 X 216	29 IV 11 X 164	25 V 14 IX 111	25 VI 15 VIII 50
4	Вознесенье	13 II 10 I 330	19 III 2 XII 257	7 IV 2 XI 208	1 V 7 X 158	27 V 13 IX 108	25 VI 15 VIII 50
5	Мятусово	27 II 4 I 310	22 III 30 XI 252	9 IV 2 XI 206	28 IV 5 X 159	23 V 10 IX 109	28 VI 10 VIII 42
6	Ханнила		20 III 11 XII 265	12 IV 6 X 207	30 IV 9 X 161	24 V 11 IX 109	24 VI 14 VIII 50
7	Рятнярви		17 III 11 XII 268	10 IV 7 X 210	1 V 9 X 160	26 V 12 IX 108	21 VI 18 VIII 57
8	Коневец		17 III 22 XII 279	11 IV 15 XI 217	6 V 14 X 160	7 VI 17 IX 101	6 VII 11 VIII 35
9	Сортавалахти, маяк		12 III 22 XII 284	7 IV 17 XI 223	5 V 5 X 152	4 VI 17 IX 104	2 VII 23 VIII 51
10	Выборг		15 III 12 XII 271	7 IV 10 XI 216	28 IV 12 X 166	20 V 17 IX 119	19 VI 20 VIII 61
11	Лодейное Поле	16 II 8 I 325	19 III 1 XII 256	6 IV 3 XI 210	26 IV 7 X 163	21 V 13 IX 114	19 VI 17 VIII 58
12	Свирьстрой	20 II 7 I 320	19 III 30 XI 255	8 IV 2 XI 207	27 IV 7 X 162	20 V 13 IX 115	18 VI 15 VIII 57
13	Винницы	24 II 26 XII 304	21 III 26 XI 249	9 IV 30 X 203	28 IV 1 X 155	27 V 9 IX 104	29 VI 6 VIII 37

Page 1779 Table 5. Dates of onset of average daily air temperatures above and below certain limits and the number of days with temperature exceeding these limits. Keys: (a) No. of station. (b) Station. (c) Temperature. (d) Leningrad Region.

1. Tokari. 2. Lesogorskiy. 3. Priozersk. 4. Voznesen'ye. 5. Myatusovo. 6. Khannila. 7. Ryattiyarvi. 8. Konevets. 9. Sortanlakhti, mayak. 10. Vyborg. 11. Lodeynoye Pole. 12. Svir'stroy. 13. Vinnitsy.

№ станции	Станция	Температура					
		-10	-5	0	5	10	15
14	Сосново		15 III 8 XII 267	6 IV 6 XI 213	30 IV 9 X 161	24 V 13 IX 111	23 VI 12 VIII 49
15	Сосново, старая ст.		16 III 7 XII 265	9 IV 2 XI 206	30 IV 6 X 158	26 V 14 IX 110	30 VI 11 VIII 41
16	Свирица		20 III 3 XII 257	7 IV 5 XI 211	29 IV 9 X 162	21 V 14 IX 115	21 VI 17 VIII 56
17	Валданицы	12 II 4 I 325	19 III 29 XI 254	3 IV 1 XI 211	25 IV 7 X 164	20 V 13 IX 115	18 VI -19 VIII 61
18	Мининская	1 III 25 XII 298	22 III 26 XI 248	8 IV 30 X 204	29 IV 3 X 156	24 V 10 IX 108	26 VI 11 VIII 45
19	Нижние Лясы	Нику-	16 III 15 XII 273	15 IV 9 XI 207	2 V 11 X 161	29 V 10 IX 103	2 VII 11 VIII 39
20	Сухо, маяк		22 III 17 XII 269	16 IV 15 XI 212	13 V 16 X 155	6 VI 21 IX 106	29 VI 23 VIII 54
21	Приморск		19 III 18 XII 273	10 IV 17 XI 220	1 V 16 X 167	24 V 18 IX 116	23 VI 20 VIII 57
22	Сосновый Бор		13 III 10 XII 271	6 IV 8 XI 215	25 IV 10 X 167	21 V 15 IX 116	21 VI 17 VIII 56
23	Гарболово		17 III 7 XII 264	8 IV 5 XI 210	30 IV 8 X 160	24 V 11 IX 109	27 VI 10 VIII 43
24	Нарвский, остров		14 III 5 I 296	14 IV 27 XI 226	8 V 25 X 169	2 VI 24 IX 113	28 VI 31 VIII 63
25	Рощино		14 III 10 XII 270	5 IV 6 XI 214	29 IV 10 X 163	20 V 15 IX 117	24 VI 16 VIII 52
26	Маяк, остров		10 III 9 I 304	8 IV 30 XI 235	5 V 26 X 173	2 VI 26 IX 115	25 VI 1 IX 67
27	Озерки		19 III 17 XII 272	9 IV 15 XI 219	30 IV 16 X 168	25 V 18 IX 115	23 VI 21 VIII 58
28	Зеленогорск		20 III 10 XII 264	9 IV 11 XI 215	29 IV 11 X 164	23 V 15 IX 114	25 VI 16 VIII 51
29	Токсово		16 III 5 XII 263	7 IV 5 XI 211	27 IV 7 X 162	24 V 14 IX 112	25 VI 14 VIII 49

14. Sosnovo. 15. Sosnovo, staraya st. 16. Sviritsa. 17. Valdaniysy. 18. Mininskaya. 19. Nizhniye Nikulyasy. 20. Sukho, mayak. 21. Primorsk. 22. Sosnovyy Bor. 23. Garbolovo. 24. Narvskiy, ostrov. 25. Roshchino. 26. Mayak, ostrov. 27. Ozerki. 28. Zelenogorsk. 29. Toksovo.

№ станции	Станция	Температура					
		-10	-5	0	5	10	15
30	Осиновец	17 III 12 XII 269	6 IV 10 XI 217	3 V 12 X 161	28 V 17 IX 111	25 VI 20 VIII 55	
31	Сестрорецк	18 III 12 XII 268	9 IV 10 XI 214	29 IV 13 X 166	23 V 17 IX 116	20 VI 22 VIII 62	
32	Кареджи, маяк	22 III 12 XII 264	14 IV 13 XI 212	6 V 16 X 162	30 V 21 IX 113	25 VI 26 VIII 61	
33	Новая Ладога	16 III 8 XII 266	6 IV 6 XI 213	27 IV 11 X 166	20 V 16 IX 118	21 VI 20 VIII 59	
34	Левашево	18 III 8 XII 264	6 IV 7 XI 214	26 IV 8 X 164	21 V 13 IX 114	22 VI 17 VIII 55	
35	Гогланд	10 III 15 I 310	7 IV 29 XI 235	5 V 25 X 172	31 V 24 IX 115	26 VI 30 VIII 64	
36	Сескар	15 III 29 XII 288	8 IV 22 XI 227	3 V 21 X 170	29 V 25 IX 118	22 VI 29 VIII 67	
37	Гогланд I	5 III 16 I 316	6 IV 30 XI 237	1 V 27 X 178	28 V 27 IX 121	23 VI 31 VIII 68	
38	Мощный	14 III 10 I 301	10 IV 26 XI 229	4 V 27 X 175	29 V 25 IX 118	23 VI 2 IX 70	
39	Лисий Нос	17 III 13 XII 270	9 IV 12 XI 216	29 IV 13 X 166	21 V 19 IX 120	21 VI 22 VIII 61	
40	Ленинград, Ле- сной	14 III 9 XII 269	4 IV 9 XI 218	25 IV 11 X 168	20 V 15 IX 117	21 VI 17 VIII 56	
41	Шепелевский, маяк	16 III 20 XII 278	6 IV 16 XI 223	1 V 18 X 169	25 V 22 IX 119	22 VI 23 VIII 61	
42	Кронштадт	14 III 16 XII 276	4 IV 14 XI 223	26 IV 16 X 172	19 V 21 IX 124	17 VI 25 VIII 68	
43	Ленинград, аэропорт	16 III 9 XII 267	4 IV 8 XI 217	26 IV 9 X 165	21 V 12 IX 113	22 VI 14 VIII 52	
44	Лебяжье	16 III 18 XII 276	7 IV 14 XI 220	28 IV 16 X 170	24 V 20 IX 118	21 VI 19 VIII 58	
45	Ленинград, ГМО	12 III 15 XII 277	3 IV 12 XI 222	23 IV 14 X 173	18 V 19 IX 123	16 VI 23 VIII 67	

30. Osinovets. 31. Sestronetsk. 32. Karedzhi, mayak. 33. Novaya
Ladoga. 34. Levashevo. 35. Gogland. 36. Sesar. 37. Gogland I.
38. Moshehnyy. 39. Lisiy Nos. 40. Leningrad, Lesnoy. 41.
Shepelevskiy, mayak. 42. Kronshadt. 43. Leningrad, airport.
44. Lebyazh'ye. 45. Leningrad, GMD.

№ станции	Станция	Температура					
		-10	-5	0	5	10	15
46	Воейково		15 III 8 XII 267	4 IV 5 XI 214	26 IV 9 X 165	21 V 14 IX 115	22 VI 15 VIII 53
47	Шугозеро	17 II 3 I 319	19 III 30 XI 255	6 IV 30 X 206	27 IV 5 X 160	22 V 8 IX 108	24 VI 9 VIII 45
48	Черная Речка		16 III 9 XII 267	4 IV 8 XI 217	28 IV 9 X 163	22 V 14 IX 114	21 VI 17 VIII 56
49	Петрокрепость		16 III 11 XII 269	4 IV 9 XI 218	27 IV 11 X 166	22 V 15 IX 115	23 VI 18 VIII 55
50	Волхов		15 III 7 XII 266	4 IV 7 XI 216	24 IV 9 X 167	19 V 13 IX 116	21 VI 15 VIII 54
51	Ломоносов, лесной техникум		14 III 14 XII 274	4 IV 11 XI 220	26 IV 13 X 169	22 V 15 IX 115	24 VI 14 VIII 50
52	Ломоносов		14 III 16 XII 276	7 IV 13 XI 219	27 IV 16 X 171	21 V 20 IX 121	20 VI 21 VIII 61
53	Невская (г. Ленинград)		15 III 14 XII 273	5 IV 12 XI 220	25 IV 15 X 172	20 V 19 IX 121	19 VI 24 VIII 65
54	Петродворец		14 III 15 XII 275	6 IV 13 XI 220	27 IV 14 X 169	20 V 17 IX 119	19 VI 23 VIII 64
55	Ленинград, Фар- форовый завод		15 III 11 XII 270	3 IV 9 XI 219	23 IV 11 X 170	17 V 16 IX 121	17 VI 21 VIII 64
56	Петродворец, парк		13 III 13 XII 274	3 IV 11 XI 221	25 IV 12 X 169	18 V 17 IX 121	21 VI 17 VIII 56
57	Стрельна		14 III 12 XII 272	6 IV 11 XI 118	27 IV 14 X 169	19 V 19 IX 124	19 VI 21 VIII 62
58	Стрельна, с.-х. станция		13 III 11 XII 272	2 IV 10 XI 221	26 IV 13 X 169	20 V 18 IX 120	19 VI 19 VIII 60
59	Приладога		15 III 4 XII 263	5 IV 5 XI 213	24 IV 9 X 167	20 V 13 IX 115	21 VI 14 VIII 53
60	Большой Тютере		13 III 4 I 296	5 IV 25 XI 233	2 V 22 X 172	1 VI 24 IX 114	26 VI 25 VIII 59
61	Ново-Саратов- ская		14 III 12 XII 272	3 IV 8 XI 218	23 IV 13 X 172	20 V 15 IX 117	20 VI 18 VIII 58

46. Voyeykovo. 47. Shugozero. 48. Chernaya Reehka. 49.
Petrokrepost'. 50. Volkhov. 51. Lomonosov, lesnoy tekhnikum.
52. Lomonosov. 53. Nevskaya (Leningrad). 54. Petrodvorets. 55.
Leningrad, Farforovyy plant. 56. Petrodvorets, park. 57.
Strel'na. 58. Strel'na, s.-kh. station. 59. Priladoga. 60.
Bol'shoy Tyuters. 61. Novo-Saratovskaya.

№ станции	Станция	Температура					
		-10	-5	0	5	10	15
62	Старое Гарколово	13 III 22 XII 283	5 IV 16 XI 224	28 IV 18 X 172	25 V 20 IX 117	23 VI 19 VIII 56	
63	Систо-Палкино	16 III 20 XII 278	6 IV 15 XI 222	25 IV 17 X 174	23 V 20 IX 119	21 VI 20 VIII 59	
64	Пороги на Неве	16 III 10 XII 268	4 IV 10 XI 219	23 IV 12 X 171	18 V 14 IX 118	23 VI 17 VIII 54	
65	Кайболово	12 III 25 XII 287	5 IV 18 XI 226	30 IV 18 X 170	26 V 21 IX 117	24 VI 22 VIII 58	
66	Мга	14 III 7 XII 267	5 IV 7 XI 215	24 IV 10 X 168	19 V 13 IX 116	19 VI 15 VIII 56	
67	Пушкин	13 III 9 XII 270	4 IV 7 XI 216	24 IV 10 X 168	19 V 15 IX 118	22 VI 17 VIII 55	
68	Пушкин, с.-х. ст.	13 III 10 XII 271	4 IV 9 XI 218	24 IV 10 X 168	18 V 15 IX 121	19 VI 18 VIII 59	
69	Тихвин, лесная ст.	14 III 1 XII 261	4 IV 3 XI 212	26 IV 8 X 164	20 V 12 IX 114	23 VI 12 VIII 49	
70	Павловск	15 III 8 XII 267	5 IV 7 XI 215	24 IV 9 X 167	19 V 13 IX 116	23 VI 15 VIII 52	
71	Тихвин, Березо- вик	16 III 2 XII 260	3 IV 5 XI 215	23 IV 7 X 166	16 V 12 IX 118	21 VI 14 VIII 53	
72	Гакково	13 III 26 XII 287	5 IV 16 XI 224	28 IV 17 X 171	24 V 19 IX 117	23 VI 18 VIII 55	
73	Усть-Луга	14 III 21 XII 281	5 IV 16 XI 224	26 IV 17 X 173	21 V 20 IX 121	24 VI 18 VIII 54	
74	Кипень	18 III 9 XII 265	8 IV 6 XI 211	25 IV 8 X 165	22 V 12 IX 112	24 VI 12 VIII 48	
75	Саблинно	15 III 9 XII 268	3 IV 7 XI 217	24 IV 10 X 168	20 V 13 IX 115	21 VI 15 VIII 54	
76	Тихвин	16 III 3 XII 261	4 IV 4 XI 213	24 IV 7 X 165	18 V 11 IX 115	21 VI 12 VIII 51	
77	Гатчина	17 III 7 XII 264	4 IV 7 XI 216	26 IV 8 X 164	20 V 13 IX 115	25 VI 13 VIII 48	

62. Staroye Garkolovo. 63. Sisto-Paikino. 64. Porogi na Neve.
65. Kaybolovo. 66. Mga. 67. Pushkin. 68. Pushkin, s.-kh. st.
69. Tikhvin, Iznaya st. 70. Pavlovsk. 71. Tikhvin, Berezhovik.
72. Gakkovo. 73. Ust'-Luga. 74. Kipen'. 75. Sablino. 76.
Tikhvin. 77. Gatchina.

№ станции	Станция	Температура					
		-10	-5	0	5	10	15
78	Ефимовская	26 II 30 XII 306	19 III 26 XI 251	8 IV 29 X 203	27 IV 1 X 156	22 V 9 IX 109	26 VI 9 VIII 43
79	Волосово		17 III 7 XII 264	7 IV 5 XI 211	26 IV 9 X 165	21 V 11 IX 112	27 VI 12 VIII 45
80	Новопятницкая		12 III 17 XII 279	2 IV 13 XI 224	21 IV 14 X 175	15 V 17 IX 124	14 VI 19 VIII 65
81	Кингисепп		13 III 15 XII 276	1 IV 12 XI 224	21 IV 13 X 174	16 V 17 IX 123	20 VI 17 VIII 57
82	Белогорка		17 III 8 XII 265	5 IV 6 XI 214	24 IV 9 X 167	9 V 13 IX 116	23 VI 14 VIII 51
83	Любань		16 III 7 XII 265	2 IV 6 XI 217	22 IV 10 X 170	17 V 13 IX 118	20 VI 16 VIII 56
84	Вильи Горы		14 III 5 XII 265	3 IV 6 XI 216	23 IV 8 X 167	17 V 11 IX 116	20 VI 14 VIII 54
85	Будогощь		15 III 4 XII 263	2 VI 5 XI 216	22 IV 9 X 169	16 V 13 IX 119	19 VI 18 VIII 59
86	Низовская		14 III 6 XII 266	4 IV 6 XI 215	22 IV 7 X 167	18 V 10 IX 114	24 VI 11 VIII 47
87	Осьмино		15 III 11 XII 270	3 IV 11 XI 221	21 IV 12 X 173	15 V 15 IX 122	20 VI 15 VIII 55
88	Толмачево		15 III 10 XII 269	2 IV 11 XI 222	20 IV 12 X 174	12 V 14 IX 124	15 VI 18 VIII 63
89	Оредеж		13 III 10 XII 271	1 IV 9 XI 221	21 IV 12 X 173	13 V 15 IX 124	19 VI 14 VIII 55
90	Луга		11 III 8 XII 271	2 IV 9 XI 220	20 IV 11 X 173	12 V 15 IX 125	15 VI 18 VIII 63
91	Замоще Ольгино		12 III 10 XII 272	2 IV 9 XI 220	21 IV 13 X 174	15 V 16 IX 123	20 VI 17 VIII 57
92	Николаевское		12 III 9 XII 271	2 IV 9 XI 220	21 IV 12 X 173	12 V 16 IX 126	18 VI 18 VIII 60

78. Yefimovskaya. 79. Volosovo. 80. Novopyatnitskaya. 81.
Kingisepp. 82. Belogorka. 83. Lyuban'. 84. Vil'i Gory. 85.
Budogashch'. 86. Nizovskaya. 87. Os'mino. 88. Tolmachevo. 89.
Onedezh. 90. Luga. 91. Zamosh'ye Ol'gino. 92. Nikolayevskoye.

№ станции	Станция	Температура					
		-10	-5	0	5	10	15
(а) НОВГОРОДСКАЯ ОБЛАСТЬ							
93	Чудово		14 III 7 XII 267	3 IV 5 XI 215	21 IV 10 X 171	16 V 14 IX 120	19 VI 16 VIII 57
94	Хвойная	17 II 6 I 322	17 III 28 XI 255	5 IV 1 XI 209	24 IV 4 X 162	16 V 12 IX 118	18 VI 15 VIII 57
95	Каменка	15 II 6 I 324	18 III 27 XI 253	9 IV 30 X 203	25 IV 3 X 160	21 V 9 IX 110	27 VI 9 VIII 42
96	Веребье		14 III 2 XII 262	1 IV 3 XI 215	21 IV 8 X 169	15 V 14 IX 121	18 VI 17 VIII 59
97	Новгород. болот- ная ст.		14 III 8 XII 268	5 IV 7 XI 215	20 IV 10 X 172	13 V 14 IX 123	18 VI 12 VIII 54
98	Хутынь		12 III 8 XII 270	1 IV 8 XI 220	20 IV 11 X 173	11 V 17 IX 128	14 VI 22 VIII 68
99	Охоны	21 II 4 I 316	16 III 26 XI 254	4 IV 31 X 209	24 IV 5 X 163	15 V 12 IX 119	20 VI 14 VIII 54
100	Новгород		14 III 9 XII 269	3 IV 8 XI 218	21 IV 11 X 172	13 V 16 IX 125	14 VI 17 VIII 63
101	Боровичи		14 III 1 XII 261	3 IV 4 XI 214	20 IV 9 X 171	12 V 15 IX 125	14 VI 19 VIII 65
102	Войцы		15 III 9 XII 268	4 IV 8 XI 217	22 IV 12 X 172	12 V 19 IX 129	8 VI 25 VIII 77
103	Окуловка		14 III 30 XI 260	3 IV 2 XI 212	22 IV 8 X 168	16 V 13 IX 119	18 VI 15 VIII 57
104	Крестцы		14 III 6 XII 266	1 IV 7 XI 219	20 IV 10 X 172	13 V 14 IX 123	16 VI 17 VIII 61
105	Шимск и Шелонь		13 III 10 XII 271	1 IV 10 XI 222	19 IV 12 X 175	9 V 19 IX 132	12 VI 21 VIII 69
106	Короостынь		12 III 9 XII 271	2 IV 8 XI 219	20 IV 12 X 174	12 V 17 IX 127	12 VI 21 VIII 69
107	Сольцы на Ше- лони		12 III 11 XII 273	31 III 11 XI 224	19 IV 14 X 177	10 V 17 IX 129	8 VI 22 VIII 74
108	Старая Русса		13 III 10 XII 271	31 III 10 XI 223	19 IV 13 X 176	9 V 17 IX 130	11 VI 22 VIII 71

(a) Novgorod Region.

93. Chudovo. 94. Khvoynaya. 95. Kamenka. 96. Vereb'ye. 97.

Novgorod, bolotnaya st. 98. Khutyn'. 99. Okhony. 100. Novgorod.

101. Borovichi. 102. Voytsy. 103. Okulovka. 104. Kresttsy. 105.

Shimsk and Shelon'. 106. Karostyn'. 107. Sol'tsy na Sheloni.

108. Staraya Russa.

No. of
station Station

№ станции	Станция	Температура Temperature					
		-10	-5	0	5	10	15
109	Парфинская лесная школа Parfinsk forestry school	12 III 11 XII 273	30 III 11 XI 225	18 IV 14 X 178	8 V 18 IX 132	11 VI 22 VIII 71	
110	Валдай Valday	15 III 1 XII 260	5 IV 3 XI 211	22 IV 7 X 167	15 V 13 IX 120	21 VI 14 VIII 53	
111	Семеновщина Semenovshchina	14 III 2 XII 262	4 IV 3 XI 212	20 IV 10 X 172	10 V 14 IX 126	19 VI 17 VIII 58	
112	Велье Vel'ye	14 III 3 XII 263	5 IV 4 XI 212	20 IV 10 X 172	13 V 16 IX 125	16 VI 29 VIII 64	
113	Демянск Demyansk	10 III 9 XII 273	29 III 9 XI 224	17 IV 13 X 178	10 V 17 IX 129	11 VI 22 VIII 71	
114	Молвотицы Molvotitsy	9 III 7 XII 272	1 IV 10 XI 222	18 IV 13 X 177	10 V 17 IX 129	16 VI 21 VIII 65	
115	Марёво Marevo	8 III 9 XII 275	31 III 9 XI 222	17 IV 13 X 178	9 V 16 IX 129	15 VI 19 VIII 64	
116	Холм Kholm	10 III 11 XII 275	30 III 12 XI 226	17 IV 15 X 180	7 V 17 IX 132	12 VI 21 VIII 69	
ПСКОВСКАЯ ОБЛАСТЬ Pskovskaya Oblast							
117	Гдов Gdov	14 III 17 XII 277	4 IV 15 XI 224	23 IV 18 X 177	16 V 21 IX 127	16 VI 24 VIII 68	
118	Ляды Lyady	14 III 12 XII 272	2 IV 11 XI 222	22 IV 13 X 173	15 V 14 IX 121	21 VI 14 VIII 53	
119	Сосно-Раскопель Sosno-Raskopel'	10 III 18 XII 282	31 III 15 XI 228	19 IV 16 X 179	10 V 20 IX 132	12 VI 25 VIII 73	
120	Зачеренье Zacheren'ye	11 III 10 XII 273	5 IV 10 XI 218	22 IV 11 X 171	13 V 16 IX 125	22 VI 18 VIII 56	
121	Замошье, болотная ст. Zamosh'ye, swamp station	13 III 9 XII 270	2 IV 9 XI 220	22 IV 11 X 171	15 V 14 IX 121	22 VI 10 VIII 48	
122	Струги Красные Strugi Krasnyye	14 III 10 XII 270	3 IV 9 XI 219	21 IV 10 X 171	14 V 15 IX 123	21 VI 16 VIII 55	
123	им. Залита, остров im. Zalita, island	12 III 16 XII 278	6 IV 15 XI 222	23 IV 17 X 176	11 V 23 IX 134	10 VI 27 VIII 77	
124	Дно Dno	13 III 11 XII 272	31 III 11 XI 224	19 IV 14 X 177	9 V 17 IX 130	14 VI 20 VIII 66	

No. of
station Station

3/3

№ станции	Станция	Temperature Температура					
		-10	-5	0	5	10	15
125	Псков Pskov	9 III 15 XII 280	31 III 13 XI 226	19 IV 15 X 178	9 V 19 IX 132	13 VI 20 VIII 67	
126	Порхов Porkhov	11 III 11 XII 274	31 III 11 XI 224	18 IV 14 X 178	10 V 17 IX 129	18 VI 20 VIII 62	
127	Быстрецово Bystretsovo	9 III 11 XII 276	31 III 10 XI 223	19 IV 13 X 176	10 V 18 IX 130	15 VI 19 VIII 64	
128	Псков, с.-х. ст. Pskov, agricultural station	10 III 13 XII 277	1 IV 13 XI 225	19 IV 15 X 178	11 V 19 IX 130	15 VI 17 VIII 62	
129	Дедовичи Dedovichy	16 III 11 XII 269	2 IV 11 XI 222	19 IV 14 X 177	9 V 17 IX 130	17 VI 20 VIII 63	
130	Остров Ostrov	11 III 14 XII 277	1 IV 14 XI 226	18 IV 16 X 180	9 V 20 IX 133	13 VI 22 VIII 69	
131	Пыталово Pytalovo	12 III 19 XII 281	31 III 15 XI 228	18 IV 16 X 180	9 V 19 IX 132	14 VI 22 VIII 68	
132	Пушкинские Горы Pushkinskiye Gory	11 III 13 XII 276	30 III 12 XI 226	18 IV 15 X 179	8 V 20 IX 134	14 VI 22 VIII 68	
133	Сушчево Sushchevo	12 III 11 XII 273	31 III 11 XI 224	18 IV 14 X 178	9 V 17 IX 130	16 VI 21 VIII 65	
134	Опочка Opochka	7 III 16 XII 283	1 IV 13 XI 225	18 IV 15 X 179	7 V 18 IX 133	13 VI 20 VIII 67	
135	Скоково Skokovo	12 III 6 XII 268	4 IV 8 XI 217	18 IV 12 X 176	11 V 16 IX 127	19 VI 20 VIII 61	
136	Базлово Bazlovo	11 III 8 XII 271	1 IV 9 XI 221	20 IV 14 X 176	10 V 17 IX 129	16 VI 22 VIII 66	
137	Великие Луки Velikiye Luki	12 III 10 XII 272	31 III 11 XI 224	17 IV 15 X 180	6 V 17 IX 133	14 VI 21 VIII 67	
138	Идрица Idritsa	10 III 12 XII 276	31 III 13 XI 226	17 IV 16 X 181	6 V 17 IX 134	13 VI 21 VIII 68	
139	Жигалово Zhigalovo	12 III 12 XII 274	30 III 11 XI 225	18 IV 15 X 179	8 V 17 IX 131	13 VI 20 VIII 67	
140	Новохованск Novokhovansk	8 III 11 XII 277	29 III 12 XI 227	18 IV 16 X 180	6 V 18 IX 134	15 VI 21 VIII 66	

NUMBER OF DAYS WITH MEAN DAILY AIR TEMPERATURE
IN DIFFERENT LIMITS

Table 6

ТАБЛИЦА 6

ЧИСЛО ДНЕЙ СО СРЕДНЕЙ СУТОЧНОЙ ТЕМПЕРАТУРОЙ ВОЗДУХА
В РАЗЛИЧНЫХ ПРЕДЕЛАХ

Temperature Температура		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от	до												

from to

Leningradskaya Oblast
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

4. Вознесенье Voznesen'ye

-44.9	-40.0	0.02											
-39.9	-35.0	0.04	0.02										
-34.9	-30.0	0.4	0.2										0.1
-29.9	-25.0	0.8	0.4	0.02								0.02	0.6
-24.9	-20.0	1.9	1.8	0.5								0.1	0.9
-19.9	-15.0	3.9	4.4	2.0	0.02							0.3	2.6
-14.9	-10.0	6.5	6.9	5.1	0.4							2.0	4.9
-9.9	-5.0	7.8	7.1	8.2	1.8	0.02					0.9	4.8	8.0
-4.9	0.0	7.5	5.9	9.6	7.1	0.8	0.04			0.04	5.5	10.9	9.5
0.1	5.0	2.1	1.3	5.4	14.3	7.2	0.7			3.4	13.5	10.3	4.4
5.1	10.0			0.2	5.6	11.6	5.6	0.5	1.8	13.1	9.3	1.6	
10.1	15.0				0.7	9.0	11.2	7.7	12.8	11.8	1.8	0.02	
15.1	20.0				0.1	2.3	9.7	15.9	14.4	1.6	0.04		
20.1	25.0					0.1	2.8	6.8	2.0	0.1			
25.1	30.0					0.02		0.1	0.02				

16. Свирица Svritsa

-44.9	-40.0	0.03											
-39.9	-35.0	0.1	0.01										0.01
-34.9	-30.0	0.6	0.2										0.2
-29.9	-25.0	1.5	0.4	0.1									0.5
-24.9	-20.0	2.5	1.6	0.5								0.1	1.1
-19.9	-15.0	4.5	4.0	2.1	0.01							0.3	2.2
-14.9	-10.0	6.2	6.3	4.7	0.3						0.1	1.7	4.3
-9.9	-5.0	7.7	7.6	8.5	1.8	0.01					0.6	4.5	7.9
-4.9	0.0	6.0	6.4	9.5	6.4	0.6				0.04	4.6	10.5	9.7
0.1	5.0	1.9	1.5	5.5	15.0	5.9	0.3			2.0	12.9	11.3	5.1
5.1	10.0			0.1	5.0	11.7	4.0	0.2	0.8	12.9	11.1	1.6	
10.1	15.0				1.4	9.1	12.6	7.0	13.8	12.9	1.7	0.03	
15.1	20.0				0.1	3.3	10.2	17.2	14.0	2.1	0.03		
20.1	25.0					0.4	2.9	6.2	2.3	0.03			
25.1	30.0						0.04	0.4	0.1				

45. Ленинград, ГМО Leningrad, GMO

-34.9	-30.0	0.02	0.02										0.01
-29.9	-25.0	0.4	0.2										0.1
-24.9	-20.0	1.2	0.9	0.1								0.01	0.6
-19.9	-15.0	3.0	3.2	1.0								0.1	1.6
-14.9	-10.0	5.5	5.8	3.6	0.02						0.01	0.8	3.6
-9.9	-5.0	7.9	7.7	7.6	0.8						0.4	4.0	7.9
-4.9	0.0	9.3	7.5	11.1	5.7	0.4					3.6	9.6	10.2
0.1	5.0	3.7	2.7	7.3	15.2	4.6	0.2			1.5	11.6	12.8	6.9
5.1	10.0			0.3	6.2	11.4	3.0	0.1	0.5	10.0	12.5	2.6	0.1
10.1	15.0				1.8	10.0	12.2	5.1	11.4	15.3	2.9	0.1	
15.1	20.0				0.3	4.0	10.9	17.6	15.6	3.1	0.02		
20.1	25.0					0.6	3.6	7.7	3.3	0.1			
25.1	30.0						0.1	0.5	0.2				

Temperature

Температура													
от	до	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII

from to

70. Павловск Pavlovsk

-39.9	-35.0	0.02											
-34.9	-30.0	0.1	0.02										0.03
-29.9	-25.0	0.6	0.2										0.3
-24.9	-20.0	1.5	1.1	0.2								0.03	0.7
-19.9	-15.0	3.5	3.7	1.4								0.3	2.1
-14.9	-10.0	5.6	5.5	3.6	0.03						0.1	1.2	4.0
-9.9	-5.0	7.9	7.9	8.0	0.8						0.6	4.5	8.5
-4.9	0.0	8.3	7.0	10.1	6.3	0.5				0.02	4.8	9.8	9.9
0.1	5.0	3.5	2.6	7.5	15.0	5.0	0.3		0.02	2.6	12.8	12.0	5.4
5.1	10.0			0.2	6.0	10.3	3.8	0.3	1.3	13.2	10.6	2.2	0.1
10.1	15.0				1.8	10.1	12.0	6.6	15.3	12.6	2.1		
15.1	20.0				0.1	4.6	10.8	17.3	12.2	1.6			
20.1	25.0					0.5	3.0	6.7	2.1	0.02			
25.1	30.0						0.1	0.1	0.1				

92. Николаевское

Nikolayevskoye

-39.9	-35.0	0.01											
-34.9	-30.0	0.1	0.1										0.3
-29.9	-25.0	0.5	0.2										0.6
-24.9	-20.0	1.3	0.8	0.01								0.03	0.6
-19.9	-15.0	3.1	3.4	0.7								0.1	1.6
-14.9	-10.0	5.7	5.7	3.5	0.1						0.1	1.1	4.1
-9.9	-5.0	7.9	7.6	7.8	0.9						0.4	4.3	7.6
-4.9	0.0	9.2	7.3	10.6	5.1	0.2				0.01	4.6	10.8	10.7
0.1	5.0	3.2	2.9	8.1	14.1	3.9	0.2			1.9	11.6	11.5	5.9
5.1	10.0			0.3	6.9	10.1	3.4	0.2	1.0	12.0	11.5	2.2	0.2
10.1	15.0				2.6	10.6	12.1	7.0	14.2	13.6	2.7		
15.1	20.0				0.3	5.4	10.7	17.2	13.3	2.4	0.1		
20.1	25.0					0.8	3.6	6.5	2.4	0.1			
25.1	30.0						0.03	0.1	0.1				

НОВГОРОДСКАЯ ОБЛАСТЬ

Novgorodskaya Oblast

96. Веребье

Vereb'ye

-44.9	-40.0	0.02											
-39.9	-35.0	0.03											
-34.9	-30.0	0.1	0.1										0.1
-29.9	-25.0	0.8	0.3										0.3
-24.9	-20.0	1.8	1.0	0.1									0.8
-19.9	-15.0	3.3	3.6	1.1						0.02	0.2	2.2	
-14.9	-10.0	6.0	6.1	3.1	0.1					0.2	1.5	4.9	
-9.9	-5.0	8.3	8.0	8.4	0.8					0.6	4.9	8.4	
-4.9	0.0	8.5	6.9	11.0	5.0	0.4				0.1	5.6	11.2	9.9
0.1	5.0	2.2	2.0	7.1	13.9	4.1	0.2			2.5	12.4	10.3	4.3
5.1	10.0			0.2	6.9	9.8	3.4	0.4	1.3	13.0	9.8	1.9	0.1
10.1	15.0				2.9	9.8	10.9	7.4	13.7	12.0	2.3	0.03	
15.1	20.0				0.4	5.9	11.1	15.4	13.1	2.2	0.1		
20.1	25.0				0.02	1.0	4.3	7.4	2.8	0.2			
25.1	30.0						0.1	0.4	0.1				

100. Новгород

Novgorod

-44.9	-40.0	0.02											
-39.9	-35.0	0.02											
-34.9	-30.0	0.1	0.05										0.02
-29.9	-25.0	0.6	0.3										0.3
-24.9	-20.0	1.7	1.3	0.1									0.7
-19.9	-15.0	3.3	3.6	1.4						0.02	0.3	1.8	
-14.9	-10.0	5.2	5.7	3.8	0.1					0.1	1.1	3.9	

Temperature

Температура		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от	до												
from	to												
-9.9	-5.0	7.7	7.5	8.1	0.8						0.4	4.1	7.7
-4.9	0.0	8.9	7.0	9.7	5.8	0.4				0.02	4.9	10.0	10.3
0.1	5.0	3.5	2.6	7.7	15.0	4.3	0.2			2.3	12.2	12.2	6.2
5.1	10.0			0.2	6.1	10.9	2.6	0.1	0.9	11.3	11.0	2.3	0.1
10.1	15.0				2.0	10.3	10.8	5.4	12.5	13.5	2.4	0.02	
15.1	20.0				0.2	4.6	11.7	16.2	14.5	2.8			
20.1	25.0					0.5	4.6	8.0	3.0	0.1			
25.1	30.0						0.1	0.3	0.1				

110. Валдай

Valday

-44.9	-40.0	0.03											
-39.9	-35.0	0.03	0.03										
-34.9	-30.0	0.3	0.1										
-29.9	-25.0	0.8	0.5										0.4
-24.9	-20.0	1.9	1.2	0.2								0.03	1.4
-19.9	-15.0	3.8	4.3	1.3								0.3	2.3
-14.9	-10.0	5.9	6.3	4.3	0.1						0.1	1.7	4.6
-9.9	-5.0	8.0	7.5	8.3	1.7						0.5	5.2	7.8
-4.9	0.0	8.6	6.4	10.8	5.8	0.2				0.1	5.8	11.9	10.6
0.1	5.0	1.6	1.7	6.0	14.2	4.4	0.4			2.6	12.6	9.3	3.8
5.1	10.0			0.1	5.9	10.9	3.8	0.4	1.1	13.1	10.2	1.6	0.1
10.1	15.0				1.9	9.9	11.5	8.2	12.8	12.1	1.8		
15.1	20.0				0.4	5.2	10.7	16.0	14.4	1.9	0.03		
20.1	25.0				0.03	0.4	3.6	6.2	2.7	0.2			
25.1	30.0						0.03	0.2					

ПСКОВСКАЯ ОБЛАСТЬ Pskovskaya Oblast

125. Псков Pskov

-34.9	-30.0	0.1	0.03										
-29.9	-25.0	0.4	0.4										0.01
-24.9	-20.0	1.2	1.0	0.1								0.01	0.4
-19.9	-15.0	2.5	2.6	1.2								0.1	1.4
-14.9	-10.0	5.2	5.6	3.2								0.9	3.2
-9.9	-5.0	7.5	6.8	6.7	0.5						0.1	3.0	6.6
-4.9	0.0	9.8	7.8	10.6	4.0	0.01					3.0	9.0	11.1
0.1	5.0	4.3	3.8	8.8	13.8	2.4	0.03			1.2	11.5	13.5	7.8
5.1	10.0		0.02	0.4	8.6	10.3	2.1	0.03	0.5	10.2	12.9	3.4	0.5
10.1	15.0			0.02	2.8	11.0	10.5	5.0	12.0	15.1	3.4	0.1	
15.1	20.0				0.3	6.3	12.3	18.4	15.9	3.5	0.1		
20.1	25.0					1.0	4.9	7.4	2.5	0.03			
25.1	30.0						0.2	0.2	0.1				

137. Великие Луки

Velikiye Luki

-39.9	-35.0	0.1											
-34.9	-30.0	0.1	0.1										
-29.9	-25.0	0.4	0.3										0.2
-24.9	-20.0	1.3	1.3	0.2									0.6
-19.9	-15.0	2.6	3.1	0.8								0.1	1.2
-14.9	-10.0	5.1	5.1	3.3	0.1							0.9	3.1
-9.9	-5.0	7.3	7.3	7.2	0.6						0.4	3.4	7.6
-4.9	0.0	10.5	7.0	11.1	3.4	0.1				0.1	4.0	11.0	9.8
0.1	5.0	3.6	3.8	8.1	12.8	1.7				1.9	12.3	11.8	8.0
5.1	10.0			0.3	9.2	10.6	1.5	0.1	0.5	10.8	11.4	2.7	0.5
10.1	15.0				3.3	12.0	10.0	6.3	10.6	13.8	2.9	0.1	
15.1	20.0				0.5	6.2	14.1	18.6	17.2	3.3			
20.1	25.0				0.1	0.4	4.4	5.9	2.6	0.1			
25.1	30.0							0.1	0.1				

No. of
station StationMEAN MINIMUM AIR TEMPERATURE
СРЕДНИЙ МИНИМУМ ТЕМПЕРАТУРЫ ВОЗДУХАTable 7
ТАБЛИЦА 7

№ станции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ														
Leningradskaya Oblast														
1	Токари	-14.1	-14.3	-10.5	-3.3	2.7	8.1	11.3	9.8	5.3	0.1	-5.3	-11.0	-1.8
2	Лесогорский	-12.4	-13.0	-9.8	-2.8	2.6	7.5	10.9	9.4	5.3	0.8	-3.6	-8.9	-1.2
3	Приозерск	-11.7	-12.7	-9.5	-2.4	3.5	8.3	11.8	10.7	6.6	1.6	-2.8	-8.1	-0.4
4	Вознесенье	-13.8	-14.1	-10.2	-2.7	2.6	7.9	11.2	9.8	5.6	0.6	-4.5	-10.2	-1.5
5	Мягусово	-14.6	-15.8	-12.2	-3.8	2.1	7.0	9.9	8.9	4.6	0.1	-5.0	-10.8	-2.5
7	Ряттиярви	-12.5	-13.1	-10.0	-3.6	1.9	7.8	11.0	10.3	5.2	0.7	-3.4	-8.1	-1.2
8	Коневец	-9.7	-11.7	-8.7	-2.0	2.7	7.4	11.6	11.8	7.9	2.8	-1.9	-6.2	0.3
9	Сортавалла, маяк	-10.3	-11.8	-8.8	-2.6	2.3	7.5	11.4	11.5	7.1	2.2	-2.5	-7.1	-0.1
10	Выборг	-11.1	-12.0	-9.0	-1.8	3.0	10.4	14.0	12.6	7.8	2.6	-2.4	-7.6	0.7
11	Додеаное Поле	-14.5	-15.3	-11.8	-3.0	2.7	8.2	11.2	9.8	5.4	0.1	-5.1	-10.9	-1.9
12	Сивьястрой	-13.6	-15.0	-10.8	-3.0	3.0	8.4	12.3	10.7	5.6	0.8	-4.4	-10.2	-1.4
13	Витино	-14.3	-14.5	-11.1	-3.2	2.1	6.9	9.7	8.6	4.4	-0.3	-5.2	-11.2	-2.3
14	Сосново	-12.0	-12.8	-9.3	-2.4	2.8	8.4	11.4	10.0	5.9	1.2	-3.8	-8.6	-1.2
15	Сосново, старая ст.	-11.8	-12.5	-9.2	-2.0	3.7	8.4	11.8	10.6	6.0	0.7	-3.8	-8.6	-0.6
16	Свирь	-13.1	-14.0	-10.5	-2.1	4.3	9.5	12.2	10.7	6.1	1.1	-4.0	-9.6	-0.8
17	Валдаицы	-14.2	-15.4	-12.1	-3.2	2.5	7.1	9.8	9.1	4.2	-0.3	-5.4	-11.4	-2.4
18	Миньинские	-15.5	-16.2	-12.8	-3.1	2.5	7.6	9.8	9.0	4.7	0.0	-5.3	-11.7	-2.6
19	Нижние Никулемы	-12.0	-12.4	-9.3	-3.3	2.8	7.5	11.4	10.0	5.0	1.4	-3.2	-7.7	-0.8
20	Сухо, маяк	-10.2	-11.8	-9.6	-2.5	3.7	9.8	14.6	14.1	9.5	3.7	-1.4	-6.6	4.1
21	Приморск	-11.2	-12.7	-10.4	-2.5	3.7	9.2	12.9	11.6	7.5	2.8	-2.0	-7.1	0.2
22	Сосновый Бор	-11.6	-12.6	-8.9	-2.0	3.5	8.8	12.1	10.8	6.2	1.5	-3.5	-8.5	-0.4
23	Гарболово	-11.9	-12.8	-9.5	-2.4	2.9	7.6	10.9	9.5	5.3	0.8	-3.9	-8.8	-1.0
24	Нарвский, остров	-8.7	-10.3	-8.2	-2.2	4.3	10.8	14.8	14.3	9.9	4.4	-0.3	-4.3	2.0
25	Рощино	-11.4	-11.9	-7.9	-1.5	4.3	9.6	12.8	11.6	7.1	1.7	-3.4	-8.3	0.2
27	Озерки	-11.2	-12.4	-9.4	-2.2	3.9	9.6	13.0	11.9	7.6	2.6	-2.1	-7.2	0.3
28	Зеленогорск	-11.9	-13.0	-10.1	-2.7	3.2	8.5	12.1	10.7	6.0	1.3	-3.2	-8.1	-0.6
29	Токсола	-11.5	-11.9	-8.1	-1.4	4.4	9.7	13.2	11.8	6.9	1.5	-3.6	-8.6	0.2
30	Осиновец	-11.6	-12.4	-9.0	-1.9	3.8	9.2	12.7	11.3	6.7	1.9	-2.9	-8.2	0.0
31	Сестрорецк	-11.7	-12.8	-9.7	-2.2	4.2	9.8	13.0	11.6	7.1	2.1	-2.8	-8.1	0.0

Leningradskaya Oblast

1. Tokari
2. Lesogorskiy
3. Priozersk
4. Voznesen'ye
5. Myatusovo
7. Ryattiyarvi
8. Konevets
9. Sortanlakhti, lighthouse/beacon
10. Vyborg
11. Lodeynoye Pole
12. Svir'stroy
13. Vinnitsy
14. Sosnovo
15. Sosnovo, old station
16. Sviritsa
17. Valdanitsy
18. Mininskaya
19. Nizhniye Nikulyasy
20. Sukho, lighthouse/beacon
21. Primorsk
22. Sosnovyy Bor
23. Garbolovo
24. Narvskiy, island
25. Roshchino
27. Ozerki
28. Zelenogorsk
29. Toksovo
30. Osinovets
31. Sestroretsk

No. of
station Station

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Станция №	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
32	Карельск. маяк	-113	-128	-101	-23	49	108	148	141	93	34	-19	-77	09
33	Новая Ладога	-120	-126	-90	-13	49	98	130	116	69	19	-34	-87	01
34	Левашево	-126	-138	-107	-28	28	76	104	93	47	04	-39	-93	-15
35	Голланд	-76	-95	-67	-12	44	101	146	136	95	46	00	-41	23
36	Сескар	-92	-109	-87	-16	45	111	151	139	97	40	-09	-52	18
37	Голланд I	-79	-97	-68	-10	40	99	140	134	89	38	-06	-41	20
38	Модрой	-86	-100	-78	-14	53	108	153	144	102	50	-01	-47	24
39	Лисий Нос	-113	-124	-93	-19	50	106	136	124	80	27	-24	-77	06
40	Ленинград. Лесной	-115	-122	-86	-15	41	91	122	108	63	14	-34	-83	-01
41	Шереметевский, маяк	-105	-115	-87	-17	41	103	138	128	86	33	-18	-65	10
42	Кронштадт	-104	-114	-80	-10	56	110	145	133	86	32	-20	-71	14
43	Ленинград. аэропорт	-121	-132	-92	-17	31	80	109	94	54	09	-36	-86	-09
44	Дебюже	-109	-120	-87	-17	46	98	131	118	76	28	-23	-72	66
45	Ленинград. ГМО	-106	-113	-76	-05	53	106	139	125	78	26	-24	-74	11
46	Войково	-115	-121	-81	-12	43	92	125	111	64	13	-37	-85	00
47	Шустере	-141	-143	-109	-31	22	72	99	85	42	01	-51	-106	-22
48	Черная Речка	-118	-132	-92	-18	36	85	114	101	58	12	-35	-87	-06
49	Петровскость	-118	-129	-94	-17	38	87	118	105	59	14	-35	-86	-05
50	Вохлов	-125	-131	-92	-14	41	87	114	100	57	12	-38	-91	-07
51	Ленинскосов. лесной техникум	-115	-127	-87	-20	39	87	119	107	66	17	-28	-82	-02
52	Ленинскосов	-108	-118	-82	-12	54	107	140	127	82	30	-22	-72	10
53	Невская (г. Ленинград)	-106	-114	-77	-05	58	111	145	130	82	29	-24	-73	13
54	Петродворец	-109	-119	-84	-14	50	104	137	124	78	26	-24	-74	08
55	Ленинград. Фарфоровый завод	-117	-126	-88	-15	34	83	116	102	57	12	-36	-83	-05
56	Петродворец. парк	-120	-130	-90	-19	37	86	111	100	60	15	-32	-86	-06
57	Стрельна	-114	-124	-87	-16	48	98	128	116	72	22	-28	-79	03
58	Стрельна, с.х. ст.	-115	-125	-87	-14	42	91	118	107	65	19	-30	-83	-01
59	Приморска	-125	-132	-95	-17	41	87	115	103	57	11	-38	-94	-07
60	Большой Тютере	-84	-100	-74	-12	41	98	139	130	90	38	-11	-47	17
61	Ново-Саратовская	-113	-123	-84	-08	43	92	121	106	64	18	-31	-79	00
62	Старое Гарколово	-103	-116	-84	-17	37	91	122	112	73	28	-18	-66	05
65	Кабылово	-95	-108	-75	-09	48	104	138	129	88	34	-15	-57	15
66	Мга	-128	-130	-90	-22	29	76	109	90	52	02	-38	-91	-11
67	Пушкин	-114	-121	-82	-11	45	93	124	111	66	16	-34	-83	01
68	Пушкин, с.х. ст.	-117	-124	-85	-12	44	90	119	106	62	15	-33	-84	-02

Table 7
(continued)

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|--|-----------------------------------|
| 32. Karedzhi, lighthouse/beacon | |
| 33. Novaya Ladoga | 66. Mga |
| 34. Levashevo | 67. Pushkin |
| 35. Gogland | 68. Pushkin, agricultural station |
| 36. Seskar | |
| 37. Gogland I | |
| 38. Moshchnyy | |
| 39. Lisiy Nos | |
| 40. Leningrad, Lesnoy | |
| 41. Shepelevskiy, lighthouse/beacon | |
| 42. Kronshtadt | |
| 43. Leningrad, airport | |
| 44. Lebyazh'ye | |
| 45. Leningrad, GMO | |
| 46. Voyeykovo | |
| 47. Shugozero | |
| 48. Chernaya Rechka | |
| 49. Petrokrepost' | |
| 50. Volkhov | |
| 51. Lomonosov, forestry technical school | |
| 52. Lomonosov | |
| 53. Nevskaya (city of Leningrad) | |
| 54. Petrodvorets | |
| 55. Leningrad, china clay plant | |
| 56. Petrodvorets, park | |
| 57. Strel'na | |
| 58. Strel'na, agricultural station | |
| 59. Priladoga | |
| 60. Bol'shoy Tyuters | |
| 61. Novo-Saratovskaya | |
| 62. Staroye Garkolovo | |
| 65. Kaybolovo | |

69	Тухани, лесная ст.	-130	-134	-96	-20	32	80	108	94	51	04	13	-102	-13
70	Пальмиса	-118	-125	-88	-17	35	82	111	98	56	09	-36	-86	-17
71	Тухани, Березовый	-132	-139	-100	-22	32	80	106	93	49	04	-44	-103	-15
72	Галково	-107	-113	-82	-15	42	98	126	115	75	27	-17	-58	08
73	Устье-Дуга	-104	-118	-89	-15	42	91	121	110	70	27	-20	-67	04
74	Кипень	-129	-128	-103	-24	36	86	114	101	62	11	-37	-88	-08
75	Собдино	-119	-126	-94	-16	37	84	114	99	55	14	-35	-84	-06
76	Тухани	-133	-137	-100	-18	35	83	109	93	50	09	-44	-100	-13
77	Гатчина	-121	-132	-94	-19	30	73	107	95	52	05	-38	-86	-11
78	Ефимовская	-144	-145	-107	-26	30	76	103	88	44	-02	-55	-111	-21
79	Волосово	-123	-129	-100	-20	37	83	114	98	56	11	-37	-88	-08
80	Новопятницкая	-112	-124	-89	-14	37	83	112	100	60	15	-29	-77	-03
81	Киптисеп	-111	-120	-88	-12	40	86	115	102	62	18	-27	-75	-01
82	Белогорка	-123	-131	-96	-19	38	84	113	98	56	10	-38	-39	-08
83	Дубаны	-122	-129	-96	-13	41	87	113	98	55	14	-36	-87	-06
84	Валки Горы	-128	-134	-93	-17	36	79	110	95	48	06	-42	-95	-11
85	Вудогошь	-126	-131	-90	-14	40	85	113	100	56	18	-40	-93	-07
86	Нюновская	-123	-127	-89	-16	30	75	101	81	45	07	-37	-88	-12
87	Осьмино	-115	-122	-90	-12	41	84	112	97	57	15	-31	-80	-04
88	Толмачево	-114	-126	-86	-10	39	85	111	97	53	10	-32	-86	-05
89	Оредеж	-122	-126	-87	-13	38	79	107	93	51	10	-36	-86	-08
90	Дуга	-110	-113	-75	-06	50	96	126	111	65	16	-33	-80	04
91	Замосье Ольгино	-117	-122	-85	-13	43	92	117	103	60	14	-34	-86	-02
92	Никольское	-116	-119	-80	-08	48	91	119	106	62	14	-35	-84	00
НОВГОРОДСКАЯ ОБЛАСТЬ Novgorodskaya Oblast														
93	Чудово	-129	-125	-91	-12	39	84	115	97	54	12	-39	-90	-07
94	Хвойная	-139	-143	-101	-19	42	88	115	98	52	02	-49	-109	-14
95	Каменка	-135	-139	-103	-27	35	81	108	96	50	01	-49	-105	-16
96	Верёбье	-125	-125	-87	-09	45	89	116	104	59	10	-40	-94	-05
97	Новгород, болотная ст.	-126	-133	-96	-15	40	78	99	85	45	04	-37	-92	-12
98	Хутынь	-120	-124	-86	-07	56	99	127	112	64	13	-33	-84	01
99	Охоты	-139	-143	-100	-19	40	86	112	97	52	02	-50	-110	-14
100	Новгород	-123	-128	-90	-09	49	91	116	101	56	10	-35	-89	-04
101	Боровичи	-130	-132	-92	-08	49	93	118	102	58	10	-39	-98	-06
102	Войши	-121	-127	-90	-08	71	116	139	121	75	21	-31	-87	07
103	Окуловка	-130	-131	-89	-11	47	92	116	102	58	08	-44	-99	-07
104	Крестцы	-130	-134	-99	-12	45	88	112	97	55	12	-37	-93	-08
105	Щимск и Шелонь	-118	-122	-82	-03	56	97	122	107	64	17	-31	-85	02
106	Коростынь	-119	-124	-81	-08	57	99	127	113	64	13	-35	-86	02
107	Солданы на Шелони	-117	-120	-80	-04	56	96	122	104	62	20	-28	-87	02
108	Старая Русса	-120	-126	-88	-03	57	97	122	105	61	14	-32	-85	00
109	Парфинская лесная школа	-117	-119	-84	-05	54	95	117	104	60	12	-31	-89	00

Table 7
(continued)

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|-------------------------------|-------------------------------|
| 69. Tikhvin, forestry station | |
| 70. Pavlovsk | 100. Novgorod |
| 71. Tikhvin Berezovik | 101. Borovich |
| 72. Gakkovo | 102. Voytsy |
| 73. Ust'-Luga | 103. Okulovka |
| 74. Kipen' | 104. Kresttsy |
| 75. Sablino | 105. Shimsk i Shelon' |
| 76. Tikhvin | 106. Korostyn' |
| 77. Gatchina | 107. Sol'tsy na Sheloni |
| 78. Yefimovskaya | 108. Staraya Russa |
| 79. Volosovo | 109. Parfinsk forestry school |
| 80. Novopyatnitskaya | |
| 81. Kingisepp | |
| 82. Belogorka | |
| 83. Lyuban' | |
| 84. Vil'i Gory | |
| 85. Budogoshch' | |
| 86. Nizovskaya | |
| 87. Os'mino | |
| 88. Tolmachevo | |
| 89. Oredezh | |
| 90. Luga | |
| 91. Zamosh'ye Ol'gino | |
| 92. Nikolayevskoye | |
| Novgorodskaya Oblast | |
| 93. Chudovo | |
| 94. Khvoynaya | |
| 95. Kamenka | |
| 96. Vereb'ye | |
| 97. Novgorod, swamp station | |
| 98. Khutyn' | |
| 99. Okhony | |

No. of
station Station

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Станция ★	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
110	Валдай	-132	-133	-94	-18	46	90	116	104	59	08	-44	-101	-08
111	Семеновщина	-125	-125	-84	-05	52	91	119	105	61	12	-40	-94	-03
112	Велье	-134	-133	-99	-21	46	92	115	103	59	08	-44	-103	-09
113	Демьянск	-120	-123	-83	-02	54	96	118	105	63	15	-34	-86	00
114	Милосотичи	-126	-125	-82	-09	46	86	116	97	61	17	-32	-93	-04
115	Марево	-119	-120	-80	00	53	96	119	108	66	16	-32	-85	02
116	Хаты	-120	-123	-84	-04	51	90	115	100	59	17	-31	-86	-01
Псковская область Pskovskaya Oblast														
117	Гдов	-108	-114	-84	-08	50	100	128	116	77	29	-20	-71	08
118	Ляды	-118	-126	-94	-14	38	81	109	93	54	13	-32	-83	-07
119	Сосно-Раскопель	-107	-111	-77	-05	56	102	133	121	76	31	-24	-74	10
120	Защережье	-114	-121	-82	-10	43	88	115	102	58	16	-32	-82	-02
121	Замошье, Болотная ст.	-120	-126	-92	-14	35	72	96	85	47	07	-36	-88	-11
122	Струги Красные	-117	-124	-92	-15	40	83	112	96	56	12	-34	-85	-06
123	им. Залита, остров	-109	-115	-80	-06	71	119	146	134	89	33	-21	-72	16
124	Дно	-113	-117	-79	-02	54	96	120	105	63	17	-30	-81	03
125	Пскова	-108	-113	-74	-02	56	99	124	109	67	21	-26	-75	06
126	Порхов	-113	-118	-78	-03	50	89	116	101	60	17	-30	-85	00
127	Быстрцово	-113	-112	-76	-06	54	94	124	112	68	16	-35	-80	04
128	Псков, с.х. ст.	-110	-115	-77	-04	48	91	116	103	62	20	-27	-81	02
129	Деловичи	-122	-127	-85	-08	53	92	118	107	60	17	-25	-84	00
130	Остров	-110	-113	-76	-02	54	95	121	107	65	20	-27	-78	05
131	Пыталово	-107	-112	-78	-03	52	93	120	105	64	21	-21	-71	05
132	Пудожские Горы	-108	-110	-73	03	62	100	127	113	70	20	-25	-77	08
133	Судово	-116	-117	-80	-03	55	94	119	103	63	16	-31	-83	02
134	Опочка	-111	-115	-80	-04	50	88	114	100	60	18	-26	-78	01
135	Скоково	-113	-113	-79	-04	56	95	120	106	64	14	-32	-88	02
136	Баклово	-112	-112	-73	-01	52	99	122	112	67	20	-33	-83	05
137	Велье, Луки	-121	-120	-81	-03	51	88	114	98	57	14	-33	-87	-03
138	Идрица	-112	-116	-80	-03	55	92	116	105	61	19	-27	-79	03
139	Житгород	-121	-124	-86	-02	59	94	117	103	60	20	-28	-84	01
140	Новгородская	-117	-115	-74	02	63	100	126	111	60	22	-21	-78	07

Table 7
(continued)

- 110. Valday
- 111. Semenovshchina
- 112. Vel'ye
- 113. Demyansk
- 114. Molvotitsy
- 115. Marevo
- 116. Kholm
Pskovskaya Oblast
- 117. Gdov
- 118. Lyady
- 119. Sosno-Raskopel'
- 120. Zacheren'ye
- 121. Zamosh'ye, swamp station
- 122. Strugi Krasnyye
- 123. im. Zalita, island
- 124. Dno
- 125. Pskov
- 126. Porkhov
- 127. Bystretsovo
- 128. Pskov, agricultural station
- 129. Dedovichl
- 130. Ostrov
- 131. Pytalovo
- 132. Pushkinskiye Gory
- 133. Sushchevo
- 134. Opochka
- 135. Skokovo
- 136. Bazlovo
- 137. Velikiye Luki
- 138. Idritsa
- 139. Zhigalovo
- 140. Novokhovansk

ABSOLUTE MINIMUM AIR TEMPERATURE

Table 8
ТАБЛИЦА 8No. of
station

Station

АБСОЛЮТНЫЙ МИНИМУМ ТЕМПЕРАТУРЫ ВОЗДУХА

№ станции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year 1951
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ Leningradskaya Oblast														
1	Токари	-45	-37	-37	-25	-11	-6	1	-3	-7	-20	-30	-42	-45
2	Лесогорский	-40	-40	-34	-23	-9	-5	1	-3	-6	-16	-25	-37	-40
3	Приозерск	-39	-40	-34	-24	-8	-4	2	0	-5	-14	-23	-34	-40
4	Вознесенье	-44	-41	-34	-25	-11	-6	0	-2	-6	-19	-30	-41	-44
5	Матусово	-50	-44	-40	-33	-12	-6	0	-3	-9	-20	-32	-42	-50
8	Коневец	-32	-34	-28	-20	-8	-2	4	3	-1	-12	-21	-30	-34
9	Сортавала	-35	-36	-32	-22	-8	-1	3	3	-2	-12	-22	-33	-36
10	Выборг	-37	-38	-31	-21	-8	-1	4	0	-6	-14	-22	-36	-38
11	Лодейное Поле	-52	-45	-39	-29	-11	-5	2	-2	-9	-20	-31	-43	-52
12	Свиристрой	-50	-43	-39	-31	-11	-5	2	-1	-9	-19	-29	-42	-50
13	Винницы	-51	-40	-39	-27	-12	-8	-1	-4	-9	-22	-31	-44	-51
14	Сосново	-39	-41	-34	-23	-11	-4	0	-2	-6	-16	-25	-35	-41
15	Сосново, старая ст.	-36	-38	-30	-19	-8	-2	3	1	-4	-15	-24	-35	-38
16	Свирица	-48	-41	-36	-28	-9	-3	3	0	-6	-18	-28	-40	-48
17	Валдаицы	-52	-47	-41	-32	-13	-2	0	-2	-10	-22	-33	-42	-52
18	Мининская	-55	-48	-44	-32	-12	-7	-1	-3	-9	-22	-34	-46	-55
20	Сухо, маяк	-34	-34	-30	-22	-6	0	8	6	1	-10	-20	-30	-34
21	Приморск	-38	-36	-33	-24	-8	-2	2	0	-4	-14	-22	-35	-38
22	Сосновый Бор	-38	-39	-32	-20	-8	-4	3	0	-7	-15	-25	-36	-39
23	Гарболово	-40	-39	-29	-22	-9	-3	2	-3	-6	-16	-25	-36	-40
24	Нарвский остров	-30	-32	-30	-20	-5	1	7	6	1	-5	-14	-29	-32
25	Рощино	-37	-38	-28	-14	-7	-1	4	2	-3	-12	-23	-34	-38
27	Озерки	-38	-37	-32	-24	-8	-2	3	1	-4	-14	-22	-34	-38
28	Зеленогорск	-38	-41	-34	-21	-8	-2	3	-1	-5	-15	-25	-35	-41
29	Токсово	-36	-34	-28	-14	-6	-1	4	2	-3	-14	-23	-35	-36
30	Осиновец	-37	-42	-31	-22	-7	-2	4	1	-3	-14	-23	-35	-42
31	Сестрорецк	-39	-39	-33	-21	-7	-1	4	0	-5	-14	-24	-35	-39

1. Tokari
2. Lesogorskiy
3. Priozersk
4. Voznesen'ye
5. Myatusovo
8. Konevets
9. Sortanlakhti
10. Vyborg
11. Lodeynoye Poly
12. Svir'stroy
13. Vinnitsy
14. Sosnovo
15. Sosnovo, old station
16. Sviritsa
17. Valdanitsy
18. Mininskaya
20. Sukho, lighthouse/beacon
21. Primorsk
22. Sosnovyy Bor
23. Garbolovo
24. Narvskiy, island
25. Roshchino
27. Ozerki
28. Zelenogorsk
29. Toksovo
30. Osinovets
31. Sestroretsk

No. of
station Station

№ станции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year for
32	Кареджи, маяк	-37	-35	-31	-23	-6	1	9	6	1	-11	-14	-33	-37
33	Новая Ладога	-44	-43	-32	-25	-10	-1	4	3	-3	-17	-26	-39	-44
34	Левашево	-41	-42	-36	-24	-9	-4	0	-3	-8	-17	-28	-39	-42
35	Гогланд	-30	-36	-28	-18	-5	0	6	4	-1	-6	-14	-27	-30
36	Сескар	-33	-34	-33	-20	-6	1	7	6	0	-6	-16	-30	-34
37	Гогланд I	-29	-31	-28	-18	-5	0	6	5	-1	-7	-15	-28	-31
38	Мощный	-31	-30	-31	-20	-5	2	8	5	2	-4	-14	-27	-31
39	Лесной Нос	-37	-37	-32	-28	-6	0	4	1	-3	-13	-23	-34	-37
40	Ленинград, Лесной	-38	-37	-31	-19	-8	-3	3	0	-5	-20	-23	-41	-41
41	Шепелевский маяк	-38	-38	-31	-19	-6	1	5	3	-2	-12	-21	-33	-38
42	Кронштадт	-36	-34	-30	-18	-8	2	6	4	-1	-12	-21	-32	-36
43	Ленинград, аэропорт	-38	-40	-33	-20	-8	-3	0	-2	-6	-16	-26	-37	-40
44	Лебяжье	-39	-40	-31	-21	-7	0	4	1	-3	-13	-23	-35	-40
45	Ленинград, ГМО	-36	-35	-29	-18	-6	0	6	3	-3	-13	-22	-33	-36
46	Воейково	-37	-35	-28	-16	-6	-1	4	2	-4	-15	-24	-35	-37
47	Шугозеро	-55	-42	-40	-27	-12	-8	-2	-4	-7	-21	-31	-44	-55
48	Черная Речка	-39	-41	-36	-25	-8	-1	2	-2	-6	-15	-25	-37	-41
49	Петрокрепость	-40	-40	-34	-24	-8	-1	2	1	-4	-14	-24	-37	-40
50	Волхов	-49	-41	-35	-25	-9	-4	2	-1	-5	-18	-26	-40	-49
51	Ломоносов, лесной техникум	-39	-40	-34	-21	-8	-1	2	0	-4	-14	-25	-36	-40
52	Ломоносов	-35	-35	-31	-26	-6	2	7	3	-2	-13	-22	-34	-35
53	Невская (г. Ленинград)	-35	-36	-33	-18	-6	1	7	3	-3	-13	-22	-34	-36
54	Петродворец	-37	-38	-32	-20	-6	1	5	3	-2	-13	-23	-34	-38
55	Ленинград, Фарфоровый завод	-39	-38	-31	-19	-8	-2	2	-2	-6	-15	-26	-36	-39
56	Петродворец, парк	-40	-41	-34	-21	-8	0	1	-2	-6	-16	-26	-38	-41
57	Стрельна	-37	-38	-32	-21	-6	0	4	1	-4	-14	-23	-35	-38
58	Стрельна, с.х. ст.	-39	-40	-32	-20	-8	-1	3	-1	-5	-15	-24	-36	-40
59	Приладога	-47	-41	-35	-25	-8	-3	2	-1	-5	-16	-26	-38	-47
60	Большой Тюттерс	-30	-32	-27	-18	-4	0	6	5	0	-7	-15	-29	-32
61	Ново-Саратовская	-36	-38	-31	-18	-7	-2	3	0	-4	-14	-24	-35	-38
62	Старое Гарколово	-40	-36	-31	-22	-7	-1	1	0	-5	-13	-22	-33	-40
65	Кайболово	-33	-34	-29	-20	-5	0	5	4	-3	-11	-21	-31	-34
66	Мга	-42	-41	-34	-21	-10	-5	1	-4	-6	-17	-26	-39	-42
67	Пушкин	-38	-36	-30	-18	-7	-1	4	1	-4	-17	-24	-35	-38

Table 8
(continued)

- | | |
|--|-------------|
| 32. Karedzhi, lighthouse/beacon | |
| 33. Novaya Ladoga | |
| 34. Levashevo | 66. Mga |
| 35. Gogland | 67. Pushkin |
| 36. Sesar | |
| 37. Gogland I | |
| 38. Moshchnyy | |
| 39. Lisniy Nos | |
| 40. Leningrad, Lesnoy | |
| 41. Shepelevskiy, lighthouse/beacon | |
| 42. Kronshtadt | |
| 43. Leningrad, airport | |
| 44. Lebyazh'ye | |
| 45. Leningrad, GMO | |
| 46. Voyeykovo | |
| 47. Shugozero | |
| 48. Chernaya Rechka | |
| 49. Petrokrepost' | |
| 50. Volkhov | |
| 51. Lomonosov, forestry technical school | |
| 52. Lomonosov | |
| 53. Nevskaya (city of Leningrad) | |
| 54. Petrodvorets | |
| 55. Leningrad, china clay plant | |
| 56. Petrodvorets, park | |
| 57. Strel'na | |
| 58. Strel'na, agricultural station | |
| 59. Priladoga | |
| 60. Bol'shoy Tyuters | |
| 61. Novo-Saratovskaya | |
| 62. Staroye Garkolovo | |
| 65. Kaybolovo | |

66	Пушкин, с. д. ст.	-39	-39	-32	-20	-7	0	3	0	-5	-15	-25	-36	-39
70	Павловск	-38	-38	-32	-21	-8	-3	2	-1	-7	-20	-26	-40	-40
71	Галкин, Березовка	-50	-43	-36	-27	-10	-7	0	-4	-7	-22	-27	-41	-50
72	Галково	-35	-36	-32	-22	-7	-1	3	0	-4	-14	-21	-31	-36
73	Усть-Луга	-42	-38	-33	-26	-8	-4	2	-1	-7	-14	-23	-34	-42
75	Сабзино	-41	-39	-34	-23	-8	-3	0	-2	-6	-16	-26	-37	-41
76	Тихвин	-51	-39	-36	-26	-9	-6	0	-2	-7	-21	-29	-40	-51
77	Гатчина	-42	-43	-35	-27	-9	-5	1	-2	-6	-19	-25	-36	-43
78	Ефимовская	-51	-41	-38	-26	-11	-7	-1	-4	-8	-25	-31	-44	-51
79	Волово	-42	-40	-36	-24	-8	-3	2	-2	-7	-18	-26	-40	-42
80	Новопитицкая	-44	-42	-37	-26	-8	-5	0	-2	-7	-18	-27	-39	-44
81	Кингисепп	-43	-41	-36	-26	-8	-4	2	-2	-7	-17	-26	-37	-43
82	Белогорка	-42	-43	-36	-28	-8	-4	1	-2	-7	-18	-27	-39	-43
83	Любань	-50	-42	-37	-25	-8	-3	1	-2	-6	-16	-26	-37	-50
84	Вилья Горы	-49	-42	-32	-26	-9	-6	0	-2	-6	-20	-26	-39	-49
85	Будогощь	-50	-43	-34	-26	-9	-5	0	-2	-6	-20	-26	-39	-50
86	Низовская	-42	-44	-35	-21	-9	-5	0	-5	-9	-20	-26	-39	-42
87	Осьмино	-41	-42	-36	-28	-9	-4	1	-2	-9	-18	-30	-39	-41
88	Толмачево	-44	-44	-38	-10	-10	-6	0	-3	-8	-18	-25	-41	-44
89	Оредеж	-47	-44	-36	-23	-9	-5	0	-4	-11	-20	-26	-39	-47
90	Луга	-39	-39	-31	-19	-7	-3	4	0	-5	-17	-24	-37	-39
91	Замошье Ольгино	-42	-42	-36	-24	-10	-4	3	-1	-6	-17	-26	-40	-42
92	Николаевское	-40	-40	-32	-19	-8	-4	3	0	-6	-17	-25	-37	-40

НОВГОРОДСКАЯ ОБЛАСТЬ

93	Чудово	-46	-42	-33	-24	-8	-3	0	-3	-8	-20	-26	-39	-46
94	Хвойная	-50	-42	-34	-28	-9	-5	2	-1	-5	-24	-30	-42	-50
95	Каменка	-49	-45	-34	-28	-9	-6	3	-2	-7	-23	-30	-42	-49
96	Версбье	-48	-42	-33	-24	-8	-6	0	-1	-6	-21	-29	-38	-48
97	Новгород, Болотная ст.	-49	-45	-33	-25	-8	-4	-2	-5	-13	-25	-26	-41	-49
98	Хуторь	-48	-41	-31	-23	-8	-2	3	0	-8	-29	-24	-37	-48
99	Охоты	-50	-42	-35	-28	-8	-6	0	-2	-6	-24	-30	-42	-50
100	Новгород	-45	-39	-32	-24	-8	-3	1	-2	-10	-21	-26	-39	-45
101	Боровичи	-54	-40	-33	-24	-8	-4	4	-1	-7	-22	-28	-42	-54
102	Войты	-44	-40	-32	-23	-5	1	5	1	-4	-20	-25	-37	-44
103	Окуловка	-46	-40	-33	-24	-7	-4	3	-1	-8	-22	-29	-40	-46
104	Крестцы	-50	-42	-32	-25	-9	-6	0	-2	-9	-22	-29	-41	-50
105	Шанск и Шелонь	-40	-38	-35	-23	-8	-3	2	-1	-5	-20	-26	-39	-40
106	Короствынь	-40	-38	-32	-22	-7	-2	1	0	-5	-21	-26	-37	-40
108	Старая Русса	-42	-40	-30	-26	-6	-4	2	-1	-5	-22	-26	-38	-42

Table 8
(continued)

68. Pushkin, agricultural station	
70. Pavlovsk	100. Novgorod
71. Tikhvin, Berezovik	101. Borovich
72. Gakkovo	102. Voytsy
73. Ust'-Luga	103. Okulovka
75. Sablino	104. Shimsk i Shelon'
76. Tikhvin	105. Korostyn'
77. Gatchina	108. Staraya Russa
78. Yefimovskaya	
79. Volosovo	
80. Novopyatnitskaya	
81. Kingisepp	
82. Belogorka	
83. Lyuban'	
84. Vil'i Gory	
85. Budogoshch'	
86. Nizovskaya	
87. Os'mino	
88. Tolmachevo	
89. Oredezh	
90. Luga	
91. Zamosh'ye Ol'gino	
92. Nikolayevskoye	
Novgorodskaya Oblast	
93. Chudovo	
94. Khvoynaya	
95. Kamenko	
96. Vereb'ye	
97. Novgorod, swamp station	
98. Khutyn'	
99. Okhony	

No. of
station Station

№ станции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
109	Парфинская лесная школа	-43	-42	-32	-25	-8	-2	2	-2	-7	-20	-26	-39	-43
110	Валдай	-47	-45	-32	-24	-7	-4	3	0	-8	-22	-29	-40	-47
111	Семеновщина	-47	-41	-30	-23	-7	-6	1	-1	-7	-23	-28	-38	-47
112	Велье	-48	-44	-35	-23	-8	-4	2	0	-6	-21	-29	-40	-48
113	Демянск	-48	-42	-34	-22	-8	-5	0	-1	-6	-22	-28	-38	-48
114	Молвошцы	-50	-44	-33	-25	-10	-6	1	-2	-5	-23	-29	-41	-50
115	Марсово	-48	-41	-33	-21	-8	-4	1	0	-6	-22	-28	-38	-48
116	Холм	-48	-46	-34	-21	-7	-5	2	-2	-6	-22	-27	-39	-48

ПСКОВСКАЯ ОБЛАСТЬ Pskovskaya Oblast

117	Гдов	-37	-36	-34	-23	-7	-2	3	0	-3	-12	-26	-36	-37
118	Ляды	-45	-41	-37	-26	-10	-6	0	-3	-8	-18	-28	-39	-45
119	Сосно-Раскопель	-39	-37	-36	-23	-7	-2	3	2	-5	-16	-23	-37	-39
120	Зачеренье	-41	-42	-35	-24	-9	-5	2	-2	-6	-18	-26	-37	-42
121	Замостье, белотная ст.	-45	-44	-34	-25	-11	-6	-2	-5	-13	-22	-27	-40	-45
122	Струги Красные	-41	-41	-36	-25	-10	-5	0	-3	-7	-18	-26	-38	-41
123	им. Залита, остров	-39	-36	-32	-18	-6	1	6	3	-2	-15	-22	-35	-39
124	Дно	-39	-42	-34	-22	-6	-3	3	-1	-6	-17	-25	-38	-42
125	Псков	-41	-38	-33	-21	-6	-2	3	0	-4	-15	-24	-36	-41
126	Порхов	-41	-41	-34	-22	-8	-4	2	-1	-7	-18	-25	-39	-41
128	Псков, с.-х. ст.	-39	-41	-34	-22	-6	-1	2	-1	-5	-16	-24	-38	-41
130	Остров	-39	-40	-33	-20	-6	-3	3	0	-4	-16	-24	-37	-40
131	Пыталово	-42	-39	-34	-19	-8	-4	2	-1	-6	-17	-23	-36	-42
132	Пушкинские Горы	-40	-39	-32	-15	-8	-2	4	0	-5	-16	-24	-36	-40
133	Сушево	-41	-40	-33	-18	-7	-4	4	-1	-5	-20	-25	-37	-41
134	Опочка	-43	-41	-36	-22	-7	-6	1	-2	-7	-20	-25	-38	-43
136	Базово	-43	-39	-30	-19	-6	-3	3	0	-4	-18	-25	-37	-43
137	Великие Луки	-46	-39	-31	-20	-5	-3	2	0	-7	-20	-30	-32	-46
138	Идрица	-45	-40	-33	-24	-7	-4	1	-1	-8	-21	-24	-38	-45
139	Жигалово	-49	-42	-35	-22	-8	-4	3	-3	-7	-21	-30	-35	-49

109. Parfinsk forestry school
110. Valday
111. Semenovshchina
112. Vel'ye
113. Demyansk
114. Molvotitsy
115. Marevo
116. Kholm
Pskovskaya Oblast
117. Gdov
118. Lyady
119. Sosno-Raskopel'
120. Zacheren'ye
121. Zamosh'ye, swamp station
122. Strugi Krasnyye
123. im. Zalita, island
124. Dno
125. Pskov
126. Porkhov
128. Pskov, agricultural station
130. Ostrov
131. Pytalovo
132. Pushkinskiye Gory
133. Sushchevo
134. Opochka
136. Bazlovo
137. Velikiye Luki
138. Idritsa
139. Zhigalovo

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NUMBER OF DAYS WITH A MINIMAL AIR
TEMPERATURE IN DIFFERENT LIMITS

Table 9
ТАБЛИЦА 9

ЧИСЛО ДНЕЙ С МИНИМАЛЬНОЙ ТЕМПЕРАТУРОЙ ВОЗДУХА
В РАЗЛИЧНЫХ ПРЕДЕЛАХ

Temperature

Температура		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от	до												

from to

ЛЕНИНГРАДСКАЯ ОБЛАСТЬ Leningradskaya Oblast

4. Вознесенье

Voznesen'ye

-44.9	-40.0	0.1	0.03										
-39.9	-35.0	0.5	0.4										0.1
-34.9	-30.0	1.0	0.6	0.3								0.03	0.5
-29.9	-25.0	2.2	2.3	1.2	0.03							0.1	1.4
-24.9	-20.0	2.8	3.9	2.6	0.2							0.3	1.9
-19.9	-15.0	4.7	5.6	5.1	0.6						0.03	1.3	4.0
-14.9	-10.0	6.3	6.2	6.1	1.9						0.4	2.9	6.0
-9.9	-5.0	7.4	5.9	7.4	4.6	0.5				0.1	3.2	7.1	7.0
-4.9	0.0	5.4	2.9	6.7	12.4	7.4	0.7		0.1	2.9	9.1	10.7	7.9
0.1	5.0	0.6	0.2	1.6	9.7	13.9	6.6	1.7	3.2	9.9	14.1	7.2	2.2
5.1	10.0				0.6	8.0	13.2	9.0	10.2	12.2	4.1	0.4	
10.1	15.0					1.2	8.3	15.0	15.1	4.7	0.1		
15.1	20.0					0.03	1.2	5.3	2.4	0.2			
20.1	25.0							0.03					

16. Свирица

Sviritsa

-49.9	-45.0	0.03											
-44.9	-40.0	0.02	0.1										0.02
-39.9	-35.0	0.2	0.3	0.02									0.2
-34.9	-30.0	1.1	0.7	0.3									0.4
-29.9	-25.0	2.4	2.2	0.9	0.03							0.05	1.0
-24.9	-20.0	3.2	3.8	3.0	0.2							0.2	1.9
-19.9	-15.0	4.5	5.3	4.8	0.7						0.1	1.2	3.2
-14.9	-10.0	5.8	5.8	6.7	1.9						0.3	2.9	6.3
-9.9	-5.0	7.1	5.8	7.3	3.9	0.1				0.02	2.0	6.7	7.8
-4.9	0.0	6.0	3.6	6.4	12.3	4.7	0.2			1.6	9.5	11.1	7.8
0.1	5.0	0.7	0.4	1.6	9.6	13.1	3.3	0.2	1.3	9.9	13.9	7.5	2.4
5.1	10.0				1.4	10.7	13.0	6.9	11.7	14.7	5.0	0.4	
10.1	15.0				0.03	2.2	11.6	18.3	15.5	3.7	0.2		
15.1	20.0					0.2	1.9	5.5	2.5	0.1			
20.1	25.0						0.03	0.1	0.03				

45. Ленинград, ГМО

Leningrad, GMO

-39.9	-35.0	0.01	0.01										
-34.9	-30.0	0.2	0.3										0.03
-29.9	-25.0	1.1	0.7	0.2									0.3
-24.9	-20.0	2.5	2.6	0.9								0.03	1.1
-19.9	-15.0	4.6	4.8	3.2	0.1							0.3	3.0
-14.9	-10.0	6.5	6.5	5.6	0.6						0.04	2.3	5.1
-9.9	-5.0	8.1	7.3	8.6	3.1	0.1					1.0	5.6	8.8
-4.9	0.0	6.7	4.8	9.6	11.5	2.7				0.4	7.4	11.0	9.1
0.1	5.0	1.3	1.0	2.9	12.3	12.3	1.8		0.1	5.8	13.3	9.6	3.6
5.1	10.0			0.01	2.3	12.0	10.8	2.7	5.6	15.7	8.7	1.2	0.01
10.1	15.0				0.1	3.7	14.4	17.5	19.4	7.8	0.6	0.03	
15.1	20.0					0.2	2.9	10.6	5.8	0.3			
20.1	25.0						0.1	0.2	0.1				

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Temperature

Температура		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от	до												
from	to												

70. Павловск Pavlovsk

-44.9	-40.0												
-39.9	-35.0	0.1	0.1										0.1
-34.9	-30.0	0.6	0.5	0.02									0.2
-29.9	-25.0	1.6	1.3	0.3									0.6
-24.9	-20.0	3.2	3.5	1.7	0.02							0.2	1.9
-19.9	-15.0	4.4	4.7	3.6	0.1						0.04	0.9	3.1
-14.9	-10.0	5.9	5.9	6.0	1.3						0.5	3.1	6.0
-9.9	-5.0	7.9	6.6	8.3	4.0	0.3				0.02	2.5	5.9	8.3
-4.9	0.0	6.0	4.6	8.6	14.4	7.1	0.5		0.04	2.2	9.9	11.3	8.1
0.1	5.0	1.3	0.8	2.5	8.9	12.0	5.7	0.6	2.3	10.9	12.4	8.0	2.7
5.1	10.0			0.02	1.3	9.6	14.2	10.2	13.8	13.8	5.3	0.6	
10.1	15.0					2.0	8.9	17.0	13.4	3.1	0.4		
15.1	20.0					0.02	0.7	3.2	1.5	0.04			
20.1	25.0								0.02				

92. Николаевское Nikolayevskoye

-39.9	-35.0	0.1	0.1										0.03
-34.9	-30.0	0.4	0.2	0.02									0.1
-29.9	-25.0	1.4	1.2	0.1									0.7
-24.9	-20.0	3.3	3.1	1.2								0.1	1.4
-19.9	-15.0	4.8	5.2	3.5	0.1						0.03	0.7	3.1
-14.9	-10.0	5.9	6.2	6.4	1.0						0.3	2.8	6.1
-9.9	-5.0	8.2	6.4	8.4	3.8	0.2				0.01	2.1	6.5	8.2
-4.9	0.0	6.2	4.7	9.1	12.0	4.2	0.2		0.01	1.6	9.3	11.7	8.7
0.1	5.0	0.7	0.9	2.3	10.6	11.8	4.1	0.4	1.1	9.2	12.6	7.6	2.7
5.1	10.0			0.02	2.3	10.5	13.5	8.6	12.4	14.9	6.4	0.6	0.01
10.1	15.0				0.2	4.2	10.7	17.4	15.5	4.1	0.3		
15.1	20.0					0.1	1.5	4.6	2.0	0.2			
20.1	25.0						0.03	0.01					

НОВГОРОДСКАЯ ОБЛАСТЬ Novgorodskaya Oblast

96. Веребье Vereb'ye

-49.9	-45.0	0.02											
-44.9	-40.0	0.1	0.03										
-39.9	-35.0	0.1	0.1										0.1
-34.9	-30.0	1.0	0.6	0.1									0.2
-29.9	-25.0	1.9	1.4	0.6								0.03	1.2
-24.9	-20.0	2.6	2.9	1.6	0.1					0.02	0.3	1.5	
-19.9	-15.0	5.0	4.8	3.7	0.3					0.1	1.0	3.6	
-14.9	-10.0	6.5	6.2	6.2	1.1					0.4	3.0	6.1	
-9.9	-5.0	7.5	7.0	8.0	3.5	0.5	0.02			0.1	2.8	6.6	8.0
-4.9	0.0	5.6	4.2	8.3	11.3	5.8	0.5		0.03	2.6	9.0	11.5	8.5
0.1	5.0	0.7	0.8	2.5	10.8	10.5	5.0	1.1	2.5	9.0	12.5	7.0	1.8
5.1	10.0				2.6	9.6	12.3	9.2	11.1	13.3	5.8	0.6	0.02
10.1	15.0				0.3	4.4	10.0	15.3	14.3	4.7	0.4		
15.1	20.0				0.02	0.2	2.2	5.3	3.0	0.3			
20.1	25.0						0.02	0.1	0.1				

100. Новгород Novgorod

-44.9	-40.0	0.04											
-39.9	-35.0	0.1	0.2										0.02
-34.9	-30.0	0.7	0.7	0.1									0.3
-29.9	-25.0	2.1	1.7	0.6								0.02	1.1
-24.9	-20.0	3.2	3.7	2.2	0.1						0.04	0.2	1.6

Temperature

Температура		I	II	III	IV	X	VI	VII	VIII	IX	X	XI	XII
от	до												
from	to												
-19.9	-15.0	4.1	4.6	4.0	0.3						0.04	0.8	3.1
-14.9	-10.0	6.2	5.4	6.1	0.8					0.02	0.4	3.0	5.4
-9.9	-5.0	7.2	6.0	7.5	3.0	0.1				0.1	2.5	5.7	7.7
-4.9	0.0	6.4	4.4	7.5	12.1	4.6	0.3		0.02	2.5	9.6	11.1	8.6
0.1	5.0	1.0	1.3	3.0	11.5	12.5	4.7	0.5	2.1	10.3	12.5	8.7	3.2
5.1	10.0				2.1	10.5	12.9	8.9	12.7	13.0	5.5	0.5	0.02
10.1	15.0				0.1	3.2	10.0	16.6	14.2	3.9	0.4		
15.1	20.0					0.1	2.1	5.0	2.0	0.2			
20.1	25.0							0.02	0.02				

110. Валдай

Valday

-49.9	-45.0	0.1	0.03										
-44.9	-40.0	0.03	0.03										
-39.9	-35.0	0.2	0.2										
-34.9	-30.0	1.1	0.6	0.1									0.4
-29.9	-25.0	1.8	1.5	0.8								0.1	1.5
-24.9	-20.0	3.3	3.9	2.2	0.2							0.3	1.9
-19.9	-15.0	5.0	5.1	3.9	0.5						0.1	1.0	3.2
-14.9	-10.0	6.3	6.1	6.6	1.8						0.3	2.7	6.4
-9.9	-5.0	7.2	6.7	7.0	3.9	0.2				0.1	2.2	7.9	7.7
-4.9	0.0	5.5	3.4	8.5	11.3	4.2	0.2			2.2	9.6	10.9	8.1
0.1	5.0	0.5	0.5	1.9	10.1	12.1	4.8	0.3	1.2	9.1	12.7	6.6	1.8
5.1	10.0				1.9	10.4	12.2	8.4	11.0	13.9	5.9	0.5	
10.1	15.0				0.3	4.0	10.9	17.6	16.1	4.5	0.2		
15.1	20.0					0.1	1.9	4.7	2.7	0.2			

ПСКОВСКАЯ ОБЛАСТЬ

Pskovskaya Oblast

125. Псков

Pskov

-44.9	-40.0	0.03											
-39.9	-35.0	0.1	0.1										
-34.9	-30.0	0.4	0.6										
-29.9	-25.0	1.2	1.2	0.4									0.4
-24.9	-20.0	2.6	2.7	1.5	0.03							0.1	1.2
-19.9	-15.0	3.7	5.0	3.8	0.2							0.3	2.3
-14.9	-10.0	5.8	5.5	5.5	0.4						0.1	1.6	4.4
-9.9	-5.0	7.3	6.5	6.5	2.2	0.1					1.3	5.0	7.5
-4.9	0.0	8.4	5.0	10.2	11.8	2.6	0.1			1.3	6.9	11.9	10.0
0.1	5.0	1.5	1.4	3.1	12.0	10.9	2.8	0.1	0.6	7.8	13.3	9.8	5.1
5.1	10.0			0.03	3.1	12.2	12.2	5.7	8.9	13.8	8.5	1.3	0.1
10.1	15.0				0.3	5.1	12.5	19.6	18.0	6.8	0.9	0.03	
15.1	20.0					0.1	2.4	5.5	3.5	0.3			
20.1	25.0							0.1					

137. Великие Луки

Velikiye Luki

-49.9	-45.0	0.1											
-44.9	-40.0	0.1											
-39.9	-35.0	0.1	0.2										
-34.9	-30.0	0.7	0.2	0.1									0.2
-29.9	-25.0	1.6	1.7	0.4									0.5
-24.9	-20.0	2.3	3.0	1.6	0.1							0.2	1.9
-19.9	-15.0	4.6	3.3	3.9	0.2							0.5	2.3
-14.9	-10.0	4.9	5.4	5.1	0.5						0.2	2.2	4.2
-9.9	-5.0	7.9	6.8	7.2	2.2	0.2				0.2	2.3	5.7	7.6
-4.9	0.0	6.8	5.3	10.1	11.7	3.2	0.1			2.9	6.8	11.0	9.7
0.1	5.0	1.7	2.1	2.6	11.4	11.4	3.5	0.9	2.2	9.3	13.9	9.0	4.6
5.1	10.0				3.5	11.5	12.1	9.8	12.3	12.1	7.2	1.4	
10.1	15.0				0.4	4.4	12.2	15.5	14.1	5.3	0.6		
15.1	20.0					0.3	2.1	4.8	2.4	0.2			

MEAN OF THE ABSOLUTE MINIMUMS OF AIR TEMPERATURE

Table 10
ТАБЛИЦА 10

No. of station	Station	СРЕДНИЙ ИЗ АБСОЛЮТНЫХ МИНИМУМОВ ТЕМПЕРАТУРЫ ВОЗДУХА												Year for
№ станции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	год
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ Leningradskaya Oblast														
1	Токари	-28	-26	-23	-13	-4	1	5	3	-2	-9	-16	-24	-32
2	Лесогорский	-27	-28	-23	-13	-4	-1	4	2	-2	-8	-13	-23	-31
3	Прозерск	-27	-27	-23	-12	-3	2	6	4	-1	-6	-11	-20	-30
4	Вознесенск	-30	-23	-24	-13	-5	1	4	3	-2	-9	-15	-24	-33
5	Матусово	-31	-31	-28	-17	-6	0	4	2	-3	-9	-18	-25	-35
6	Коневец	-29	-21	-18	-10	-2	3	7	8	3	-3	-9	-15	-24
7	Сортавала, маяк	-22	-23	-22	-12	-3	3	6	7	2	-4	-11	-18	-27
8	Выборг	-24	-24	-20	-10	-1	5	10	8	2	-4	-11	-20	-27
9	Лодейное Поле	-33	-32	-28	-15	-5	0	5	2	-3	-11	-18	-28	-37
10	Свиристрой	-30	-30	-26	-15	-5	2	6	4	-2	-8	-16	-25	-34
11	Виюны	-32	-29	-26	-15	-6	0	3	1	-4	-11	-17	-26	-35
12	Сосново	-26	-26	-24	-12	-5	1	4	3	-2	-7	-14	-20	-30
13	Сосново, старая ст.	-23	-24	-20	-9	-3	2	6	6	0	-6	-12	-20	-28
14	Свирица	-29	-28	-24	-13	-2	4	7	5	0	-7	-14	-23	-33
15	Валдаицы	-33	-34	-28	-17	-6	-1	2	1	-4	-10	-20	-28	-39
16	Мюссиская	-34	-34	-31	-16	-5	0	3	2	-3	-11	-18	-28	-40
17	Сухо, маяк	-21	-21	-20	-11	-1	5	10	10	5	-2	-8	-17	-25
18	Приморск	-25	-25	-22	-12	-3	2	7	5	0	-5	-11	-20	-30
19	Сосновый Бор	-25	-26	-21	-10	-4	2	6	5	-1	-6	-14	-22	-34
20	Гарболово	-25	-26	-24	-12	-4	1	5	2	-2	-8	-14	-22	-30
21	Нарвский остров	-17	-21	-19	-10	0	7	10	11	5	-1	-7	-15	-23
22	Родино	-24	-23	-18	-8	-2	3	8	6	2	-6	-12	-20	-27
23	Озерки	-25	-25	-22	-11	-3	2	7	6	0	-6	-11	-20	-28
24	Зеленогорск	-25	-28	-24	-11	-3	2	6	4	-1	-6	-14	-20	-30
25	Токсово	-23	-22	-17	-8	-2	4	9	7	1	-5	-12	-20	-26
26	Осиновец	-24	-25	-20	-10	-2	2	8	6	1	-5	-12	-20	-29
27	Сестрорецк	-25	-26	-22	-11	-2	3	7	5	0	-6	-12	-21	-29
28	Курортный, маяк	-24	-24	-20	-11	0	5	11	10	5	-3	-9	-19	-28

1. Tokari
2. Lesogorskiy
3. Priozersk
4. Voznesen'ye
5. Myatusovo
8. Konevets
9. Sortanlakhti, lighthouse/beacon
10. Vyborg
11. Lodeynoye Pole
12. Svir'stroy
13. Vinnitsy
14. Sosnovo
15. Sosnovo, old station
16. Svritsa
17. Valdanitsy
18. Mininskaya
20. Sukho, lighthouse/beacon
21. Primorsk
22. Sosnovyy Bor
23. Garbolovo
24. Narvskiy, island
25. Roshchino
27. Ozerki
28. Zelenogorsk
29. Toksovo
30. Osinovets
31. Sestroretsk
32. Karedzhi, lighthouse/beacon

33	Новая Ладога	-26	-26	-22	-11	-1	4	8	7	2	-5	-13	-21	-30
34	Деловое	-28	-29	-26	-13	-4	0	4	1	-4	-8	-16	-24	-33
35	Голланд	-17	-19	-16	-8	-1	5	10	9	4	-1	-6	-13	-21
36	Соснар	-20	-21	-19	-9	-1	6	11	11	4	-1	-8	-15	-24
37	Голланд I	-16	-18	-15	-7	-1	6	9	10	3	-2	-7	-13	-20
38	Мошкый	-18	-19	-17	-9	0	6	12	10	6	-1	-6	-12	-22
39	Лисий Нос	-25	-24	-22	-11	-2	4	8	7	1	-4	-11	-20	-28
40	Ленинград, лесной	-25	-24	-20	-10	-3	2	6	5	-1	-6	-13	-21	-29
41	Шепелевский, маяк	-23	-24	-20	-10	-1	6	9	8	2	-3	-10	-18	-27
42	Кронштадт	-22	-22	-19	-8	0	6	10	9	3	-3	-10	-18	-26
43	Ленинград, аэропорт	-27	-27	-23	-10	-3	1	4	2	-2	-7	-14	-22	-30
44	Лобжис	-25	-25	-22	-11	-2	4	10	6	1	-5	-11	-20	-28
45	Ленинград, ГМО	-23	-22	-19	-8	-1	4	9	8	1	-4	-11	-18	-26
46	Войково	-24	-23	-18	-8	-2	3	8	6	0	-6	-13	-21	-28
47	Шугозеро	-32	-30	-27	-15	-6	-1	2	1	-3	-10	-19	-26	-35
48	Черная Речка	-27	-28	-25	-11	-3	2	5	3	-2	-7	-14	-23	-33
49	Петрокрестость	-26	-26	-22	-10	-3	2	6	4	0	-6	-14	-22	-30
50	Волхов	-27	-27	-23	-11	-3	2	5	4	-1	-7	-14	-23	-32
51	Домоусов, лесной техникум	-26	-26	-23	-11	-3	3	6	5	0	-6	-13	-22	-30
52	Домоусов	-24	-24	-21	-10	-1	5	9	8	3	-4	-11	-19	-28
53	Новская (г. Ленинград)	-23	-22	-19	-8	0	5	10	8	3	-4	-10	-18	-26
54	Петродворец	-24	-25	-21	-10	-1	4	8	7	2	-4	-11	-20	-29
55	Ленинград, Фарфоровый завод	-26	-25	-20	-10	-3	2	5	3	-2	-7	-14	-21	-31
56	Петродворец, парк	-27	-28	-23	-10	-3	2	4	3	-2	-7	-15	-24	-31
57	Стрельна	-25	-25	-21	-10	-2	4	8	6	1	-5	-12	-21	-28
58	Стрельна, с-х. ст.	-26	-27	-22	-10	-3	3	6	4	-1	-6	-13	-22	-29
59	Приозапа	-28	-28	-24	-12	-3	2	6	4	-1	-7	-14	-24	-32
60	Большой Тютере	-17	-19	-16	-8	0	5	10	10	4	-1	-7	-14	-21
61	Ново-Саратовская	-24	-25	-20	-8	-2	2	7	5	0	-6	-13	-20	-28
62	Старое Гарголово	-24	-24	-20	-10	-2	3	7	5	0	-4	-11	-18	-28
63	Кайболово	-22	-21	-18	-8	0	5	9	8	3	-3	-9	-17	-25
64	Мга	-28	-28	-24	-11	-5	0	5	1	-2	-8	-15	-24	-31
67	Пушкин	-25	-24	-19	-9	-2	3	7	6	0	-6	-13	-20	-28
68	Пушкин, с-х. ст.	-26	-26	-21	-9	-2	2	6	5	-1	-6	-13	-21	-29
70	Павловск	-26	-25	-21	-10	-3	2	5	3	-2	-7	-14	-22	-30
71	Тихвин, Березовик	-29	-29	-25	-13	-4	0	4	1	-3	-9	-16	-26	-34
72	Такжово	-23	-22	-21	-10	-2	3	6	5	2	-5	-9	-17	-26
73	Усть-Луга	-24	-25	-23	-11	-3	-2	6	4	0	-5	-12	-19	-29
75	Сабливо	-27	-27	-24	-11	-3	1	5	3	-1	-7	-15	-22	-31
76	Тихвин	-30	-29	-26	-13	-4	0	4	2	-2	-8	-16	-26	-34
77	Гатчина	-27	-27	-23	-9	-4	1	4	3	-1	-8	-14	-21	-31
78	Ефимовская	-31	-30	-26	-14	-4	-1	4	2	-3	-11	-18	-27	-35

- | | |
|--|-----------------------------------|
| 33. Novaya Ladoga | |
| 34. Levashevo | 68. Pushkin, agricultural station |
| 35. Gogland | 70. Pavlovsk |
| 36. Seskar | 71. Tikhvin, Berezovik |
| 37. Gogland I | 72. Gakkovo |
| 38. Moshchnyy | 73. Ust'-Luga |
| 39. Lisiy Nos | 75. Sablino |
| 40. Leningrad, Lesnoy | 76. Tikhvin |
| 41. Shepelevskiy, lighthouse/beacon | |
| 42. Kronshtadt | 77. Gatchina |
| 43. Leningrad, airport | 78. Yefimovskaya |
| 44. Lebyazh'ye | |
| 45. Leningrad, GMO | |
| 46. Voyeykovo | |
| 47. Shugozero | |
| 48. Chernaya Rechka | |
| 49. Petrokrepost' | |
| 50. Volkhov | |
| 51. Lomonosov, forestry technical school | |
| 52. Lomonosov | |
| 53. Nevskaya (city of Leningrad) | |
| 54. Petrodvorets | |
| 55. Leningrad, china clay plant | |
| 56. Petrodvorets, park | |
| 57. Strel'na | |
| 58. Strel'na, agricultural station | |
| 59. Priladoga | |
| 60. Bol'shoy Tyuters | |
| 61. Novo-Saratovskaya | |
| 62. Staroye Garkolovo | |
| 65. Kaybolovo | |
| 66. Mga | |
| 67. Pushkin | |

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No. of
station Station

№ станции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
79	Волосово	-27	-26	-22	-12	-2	2	6	4	-1	-7	-14	-24	-30
80	Идопатницкая	-27	-27	-23	-10	-3	1	5	3	-1	-8	-13	-22	-31
81	Кингисепп	-26	-27	-23	-10	-3	1	6	4	-1	-6	-12	-21	-30
82	Белогорка	-27	-27	-23	-12	-3	2	5	4	-1	-7	-15	-23	-31
83	Любань	-28	-28	-24	-12	-3	1	5	3	-1	-7	-15	-23	-32
84	Видыи Горы	-30	-28	-25	-12	-4	0	5	2	-2	-8	-15	-24	-34
85	Будогощь	-28	-28	-24	-12	-4	1	5	3	-2	-8	-15	-24	-33
87	Осьмино	-27	-28	-24	-10	-3	2	5	3	-2	-8	-14	-23	-32
88	Тосмазево	-30	-28	-26	-9	-4	0	4	2	-3	-7	-14	-25	-33
89	Оредеж	-28	-28	-24	-11	-4	0	4	2	-3	-9	-14	-23	-33
90	Луга	-25	-23	-19	-8	-2	3	8	6	0	-6	-13	-20	-28
91	Замостье Ольгово	-28	-26	-23	-10	-4	2	6	4	-2	-6	-15	-24	-32
92	Николаевское	-26	-24	-19	-9	-2	2	6	5	-1	-7	-13	-21	-29
новгородская область Novgorodskaya Oblast														
93	Чудово	-29	-26	-22	-10	-3	2	5	3	-2	-6	-14	-24	-32
94	Хвошная	-30	-30	-25	-13	-3	1	6	3	-2	-9	-16	-27	-36
95	Каменка	-28	-29	-25	-13	-4	0	5	3	-2	-8	-16	-26	-34
96	Веребье	-28	-26	-22	-11	-4	1	5	3	-2	-8	-14	-24	-32
97	Новгород, болотная ст.	-29	-28	-24	-11	-4	0	3	1	-3	-9	-15	-24	-33
98	Хутино	-27	-25	-21	-9	-2	3	8	6	1	-6	-12	-20	-28
99	Охоты	-30	-30	-25	-13	-3	0	5	3	-2	-9	-16	-27	-35
100	Новгород	-28	-26	-22	-10	-2	2	6	4	-2	-7	-14	-23	-31
101	Боровичи	-29	-28	-23	-10	-2	2	6	3	-2	-7	-15	-25	-33
102	Войды	-27	-26	-22	-10	0	6	9	7	1	-6	-13	-22	-31
103	Окуловка	-28	-26	-22	-10	-3	2	6	3	-2	-8	-15	-24	-33
104	Кресты	-30	-29	-25	-12	-3	0	4	2	-2	-8	-16	-26	-34

Table 10
(continued)

79. Volosovo
80. Novopyatnitskaya
81. Kingisepp
82. Belogorka
83. Lyuban'
84. Vil'i Gory
85. Budogoshch'
87. Os'mino
88. Tolmachevo
89. Oredezh
90. Luga
91. Zamosh'ye Ol'gino
92. Nikolayevskoye
Novgorodskaya Oblast
93. Chudovo
94. Khvoynaya
95. Kamenka
96. Vereb'ye
97. Novgorod, swamp station
98. Khutyn'
99. Okhony
100. Novgorod
101. Borovichi
102. Voytsy
103. Okulovka
104. Kresttsy

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105	Шамск и Шелонь	-26	-26	-21	-9	-2	3	7	5	-1	-6	-14	-23	-30
106	Коростыль	-26	-24	-20	-8	-1	4	8	6	0	-7	-13	-22	-29
108	Старая Русса	-27	-26	-21	-9	-2	3	6	4	-1	-6	-14	-23	-30
109	Парфинская лесная школа	-26	-26	-24	-10	-2	3	6	4	0	-6	-13	-22	-30
110	Валдай	-28	-28	-23	-12	-3	2	6	4	-1	-8	-15	-25	-33
111	Семеновщина	-26	-26	-20	-9	-2	2	6	3	-2	-7	-14	-23	-31
112	Велье	-28	-27	-25	-12	-2	2	6	4	-1	-7	-15	-25	-33
113	Демянск	-28	-27	-22	-10	-3	1	6	3	-1	-7	-14	-23	-32
114	Молвотицы	-31	-28	-23	-13	-5	0	5	2	-1	-8	-14	-26	-35
115	Марево	-28	-26	-22	-10	-3	2	6	4	-1	-8	-14	-22	-32
116	Холм	-30	-28	-24	-10	-2	2	5	3	-2	-7	-13	-23	-34

ПСКОВСКАЯ ОБЛАСТЬ

117	Гдов	-24	-24	-21	-9	-2	3	7	6	1	-5	-11	-20	-28
118	Ляды	-28	-27	-25	-12	-4	0	4	2	-3	-8	-14	-23	-32
119	Сосно-Раскопель	-24	-24	-21	-8	-1	4	8	7	0	-4	-11	-21	-27
120	Зачеренье	-26	-26	-23	-10	-3	1	6	4	-1	-8	-14	-21	-29
121	Замостье, болотная ст.	-29	-28	-26	-11	-4	0	2	0	-5	-9	-16	-24	-34
122	Струги Красные	-26	-27	-23	-11	-4	0	5	2	-2	-7	-14	-22	-31
123	им. Залита, остров	-24	-24	-20	-8	0	6	11	9	3	-4	-10	-19	-28
124	Дно	-26	-25	-21	-9	-2	3	7	4	-1	-6	-13	-22	-30
125	Псков	-26	-24	-20	-8	-2	3	7	5	0	-5	-12	-20	-29
126	Порхов	-26	-25	-21	-8	-2	2	6	4	-2	-7	-13	-23	-30
128	Псков, с.х. ст.	-28	-25	-21	-8	-2	2	6	4	0	-6	-13	-22	-29
130	Остров	-26	-24	-20	-8	-2	3	7	5	0	-5	-12	-21	-29
131	Пыталово	-26	-24	-21	-8	-2	2	6	4	-1	-6	-12	-20	-30
132	Пушкинские Горы	-26	-22	-19	-7	-2	4	8	6	1	-6	-12	-20	-28
133	Сушево	-27	-24	-20	-7	-2	2	7	5	-1	-6	-13	-22	-29
134	Опочка	-27	-27	-23	-9	-4	1	4	3	-2	-7	-12	-21	-32
136	Баззово	-25	-23	-18	-8	-1	3	7	6	0	-5	-14	-21	-28
137	Великие Луки	-28	-25	-21	-8	-2	1	6	3	-2	-6	-14	-22	-31
138	Идрица	-27	-27	-22	-9	-2	2	6	4	-1	-6	-12	-22	-32
139	Жигалово	-28	-29	-22	-8	-1	2	7	4	-1	-6	-14	-20	-32

- 105. Shimsk i Shelon'
- 106. Korostyn'
- 108. Staraya Russa
- 109. Parfinsk forestry school
- 110. Valday
- 111. Semenovshchina
- 112. Vel'ye
- 113. Demyansk
- 114. Molvotitsy
- 115. Marevo
- 116. Kholm
Pskovskaya Oblast
- 117. Gdov
- 118. Lyady
- 119. Sosno-Raskopel'
- 120. Zacheren'ye
- 121. Zamosh'ye, swamp station
- 122. Strugi Krasnyye
- 123. im. Zalita, island
- 124. Dno
- 125. Pskov
- 126. Porkhov
- 128. Pskov, agricultural station
- 130. Ostrov
- 131. Pytalovo
- 132. Pushkinskiye Gory
- 133. Sushchevo
- 134. Opochka
- 136. Bazlovo
- 137. Velikiye Luki
- 138. Idritsa
- 139. Zhigalovo

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MEAN MAXIMUM AIR TEMPERATURE

Table 11

ТАБЛИЦА 11

No. of
station Station

СРЕДНЯЯ МАКСИМАЛЬНАЯ ТЕМПЕРАТУРА ВОЗДУХА

№	Станция													Year	
		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год	
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ Leningradskaya Oblast															
1	Токари	-7.9	-7.0	-1.7	5.7	13.4	18.3	21.3	19.1	12.7	5.0	-1.0	-5.8	6.0	
2	Лесоторский	-5.6	-5.4	0.0	6.7	14.2	19.4	22.1	19.6	13.6	6.7	1.0	-3.6	7.4	
3	Приозерск	-5.2	-5.3	-0.4	6.2	13.0	18.5	21.2	19.2	13.7	6.9	1.4	-2.9	7.2	
4	Волосенные	-6.9	-6.2	-1.2	6.6	13.5	18.8	21.8	19.8	13.7	6.1	0.0	-4.7	6.8	
5	Мяусово	-7.2	-6.3	-1.2	6.8	14.1	19.3	22.5	19.8	13.7	6.0	-0.2	-5.0	6.9	
8	Коневец	-4.5	-5.4	-1.5	4.4	11.8	16.9	19.5	18.2	13.3	6.6	1.6	-1.8	6.6	
9	Сортавалхти, маяк	-3.9	-4.3	-0.4	4.0	10.5	15.7	18.6	17.6	13.3	7.3	2.0	-1.4	6.6	
10	Выборг	-5.2	-5.3	-0.9	5.7	13.2	18.3	21.7	19.5	13.8	7.2	1.5	-2.8	7.2	
11	Ледовое Поле	-7.1	-6.2	-1.0	6.8	14.9	20.0	22.8	20.3	13.9	6.1	0.0	-4.9	7.1	
12	Свиристрой	-5.8	-6.0	-0.7	7.0	14.6	19.8	22.9	20.2	13.8	6.2	0.0	-4.9	7.2	
13	Винницы	-7.5	-6.4	-0.7	7.0	14.4	19.2	22.1	20.1	13.5	5.5	-0.6	-5.4	6.8	
14	Сосново	-5.6	-5.4	-0.2	6.5	13.5	19.0	21.5	19.3	13.6	6.6	0.8	-3.5	7.2	
15	Сосново, старая ст.	-5.9	-5.8	-1.5	5.6	13.1	17.8	20.5	18.4	13.0	6.0	0.3	-3.6	6.5	
16	Свирица	-6.4	-6.0	-1.3	6.2	13.7	18.7	21.8	19.8	13.9	6.6	0.6	-4.2	7.0	
17	Валдаицы	-6.6	-6.0	-0.9	7.7	14.8	20.2	22.7	20.5	14.1	6.5	0.0	-4.6	7.4	
18	Мининская	-7.8	-6.8	-1.8	6.1	13.6	19.2	21.5	19.5	13.0	5.4	-0.9	-5.8	6.3	
20	Сухо, маяк	-5.5	-5.9	-2.4	2.4	8.2	14.6	18.7	17.6	12.8	6.8	1.6	-3.0	5.5	
21	Приморск	-4.9	-5.0	-0.6	5.5	13.1	18.0	21.4	19.4	14.0	7.7	2.3	-2.3	7.4	
22	Сосновый Бор	-5.6	-5.3	-0.7	6.9	14.2	19.2	22.2	19.7	13.9	6.8	1.0	-3.4	7.4	
23	Гарболово	-5.7	-5.4	-1.3	6.1	13.6	18.7	21.4	19.3	13.7	6.5	0.6	-3.4	7.0	
24	Нарвский, остров	-4.0	-4.8	-2.3	2.0	9.1	15.1	19.3	17.9	13.1	7.2	2.7	-1.4	6.2	
25	Родина	-6.0	-5.7	-0.8	6.1	13.7	18.3	21.3	19.0	13.5	6.6	0.7	-3.6	6.9	
27	Озерки	-5.2	-5.1	-1.2	5.6	13.0	18.0	21.3	19.3	14.0	7.6	2.0	-2.5	7.2	
28	Зеленогорск	-5.3	-5.2	-1.4	6.0	13.8	18.7	21.8	19.3	13.7	6.6	1.2	-3.2	7.2	
29	Токсово	-6.2	-6.0	-1.4	5.8	13.2	18.2	21.0	18.9	13.4	6.4	0.3	-4.0	6.6	
30	Осиновец	-5.4	-5.2	-1.0	5.7	12.1	18.0	20.9	19.4	14.2	7.3	1.3	-3.1	7.0	
31	Сестрорецк	-5.6	-5.4	-1.5	5.8	13.3	18.5	22.0	20.0	14.1	7.0	1.1	-3.2	7.2	
32	Курдюк, маяк	-5.6	-5.6	-2.0	3.6	10.3	14.3	19.9	18.6	13.5	6.8	1.2	-3.4	6.1	

Table 11

1. Tokari
2. Lesogorskiy
3. Priozersk
4. Voznesen'ye
5. Myatusovo
8. Konevets
9. Sortanlakhti, lighthouse/beacon
10. Vyborg
11. Lodeynoye Pole
12. Svir'stroy
13. Vinnitsy
14. Sosnovo
15. Sosnovo, old station
16. Sviritsa
17. Valdanitsy
18. Mininskaya
20. Sukho, lighthouse/beacon
21. Primorsk
22. Sosnovyy Bor
23. Garbolovo
24. Narvskiy, island
25. Roshchino
27. Ozerki
28. Zelenogorsk
29. Toksovo
30. Osinovets
31. Sestroretsk
32. Karedzhi, lighthouse/beacon

33	Нижняя Ладога	-60	-55	-09	86	137	189	218	200	143	70	68	-37	72
34	Лепашево	-37	-31	-07	69	144	191	222	199	142	69	09	-32	73
35	Гогланд	-30	-42	-12	44	108	164	199	188	143	83	37	-02	74
36	Сексар	-44	-50	-06	40	107	163	200	186	138	76	26	-15	67
37	Гогланд I	-31	-37	-08	54	126	183	224	204	146	86	35	-03	82
38	Мощный	-35	-46	-11	44	108	168	205	193	145	83	33	-08	73
39	Лисий Нос	-33	-53	-13	55	132	182	216	197	141	70	12	-30	71
41	Шепеласский маяк	-50	-49	-13	32	121	173	208	188	140	77	22	-20	71
42	Кронштадт	-50	-50	-08	64	137	190	222	202	146	75	17	-27	76
43	Ленинград аэропорт	-55	-53	-11	73	143	192	220	200	144	71	10	-33	75
44	Лобжы	-49	-49	-08	61	133	185	213	195	144	76	18	-25	74
45	Ленинград ГМО	-50	-49	-06	70	143	192	221	200	144	74	15	-27	77
46	Войково	-60	-54	-08	68	142	189	216	196	140	68	06	-37	72
47	Щугозеро	-72	-61	-02	74	150	198	224	199	137	60	-03	-50	71
48	Черная Речка	-54	-52	-06	67	139	187	214	196	143	71	10	-32	74
49	Петрокрепость	-55	-51	-07	68	135	188	215	197	141	73	11	-34	74
50	Волхов	-62	-56	-06	73	148	196	224	203	143	68	06	-39	75
51	Домономосов лесной техникум	-49	-47	-02	68	136	186	214	193	142	76	14	-27	75
52	Домономосов	-48	-49	-08	59	130	181	210	193	141	75	18	-28	73
53	Невская (г. Ленинград)	-50	-50	-08	64	135	186	217	197	142	74	15	-28	74
54	Петропавловск	-48	-50	-08	60	135	184	211	194	144	76	18	-24	74
56	Петропавловск парк	-50	-48	-03	70	141	191	218	198	144	74	15	-27	77
57	Стрельна	-52	-52	-12	60	139	190	218	198	142	71	13	-30	74
59	Приладога	-62	-57	-08	70	146	192	221	199	143	68	05	-40	73
60	Волыной Тукере	-27	-44	-10	65	123	186	223	203	146	89	30	-02	82
61	Ново-Саратовская	-54	-52	-08	71	144	191	217	198	144	73	10	-32	75
62	Старое Парголово	-45	-46	-06	62	130	182	211	192	143	77	21	-22	75
65	Кайболово	-42	-46	-13	54	122	173	205	188	139	76	22	-16	72
66	Мга	-58	-48	00	76	149	196	222	204	147	74	11	-33	78
67	Пушкин	-58	-54	-06	70	145	190	218	198	141	70	08	-35	74
68	Пушкин с.х.ст.	-58	-54	-09	72	147	194	222	203	145	71	09	-35	76
69	Тихвин лесная ст.	-64	-62	-05	73	151	203	226	203	138	64	01	-44	74
70	Давыдовск	-53	-48	01	80	155	204	230	207	148	73	10	-33	81
71	Тихвин Березовик	-66	-58	-03	81	159	203	229	210	146	66	03	-48	77
72	Гакколово	-39	-48	-11	57	128	176	204	189	135	78	21	-13	73
73	Усть-Луга	-45	-45	-07	64	136	183	211	193	144	79	21	-20	76
74	Кинель	-63	-56	-10	64	139	187	213	192	134	64	05	-38	69
75	Сабитово	-59	-50	00	77	150	198	225	203	147	71	08	-35	78
76	Тихвин	-65	-56	-02	78	155	204	226	202	143	66	03	-44	76
77	Гатчина	-57	-56	-06	73	148	193	221	198	141	69	07	-33	75
78	Ефимовская	-76	-68	-10	68	147	196	222	199	135	55	-09	-55	67
79	Валосово	-62	-54	-02	69	145	189	214	192	137	66	05	-39	72

Table 11
(continued)

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|--|------------------------|
| 33. Novaya Ladoga | |
| 34. Levashevo | 70. Pavlovsk |
| 35. Gogland | 71. Tikhvin, Berezovik |
| 36. Seskar | 72. Gakkovo |
| 37. Gogland I | 73. Ust'-Luga |
| 38. Moshchnyy | 74. Kipen' |
| 39. Lisiy Nos | 75. Sablino |
| 41. Shepelevskiy, lighthouse/beacon | |
| 42. Kronshtadt | 76. Tikhvin |
| 43. Leningrad, airport | 77. Gatchina |
| 44. Lebyazh'ye | 78. Yefimovskaya |
| 45. Leningrad, GMO | 79. Volosovo |
| 46. Voyeykovo | |
| 47. Shugozero | |
| 48. Chernaya Rechka | |
| 49. Petrokrepost' | |
| 50. Volkhov | |
| 51. Lomonosov, forestry technical school | |
| 52. Lomonosov | |
| 53. Nevskaya (city of Leningrad) | |
| 54. Petrodvorets | |
| 56. Petrodvorets, park | |
| 57. Strel'na | |
| 59. Priladoga | |
| 60. Bol'shoy Tyuters | |
| 61. Novo-Saratovskaya | |
| 62. Staroye Garkolovo | |
| 65. Kaybolovo | |
| 66. Mga | |
| 67. Pushkin | |
| 68. Pushkin, agricultural station | |
| 69. Tikhvin, Berezovik | |

No. of
station Station

№ станции	Станция	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
80	Новопятицкая	-4.9	-4.3	0.2	8.0	15.3	19.8	22.4	20.2	14.8	7.7	1.5	-2.7	82
81	Кингисепп	-4.9	-4.1	0.4	8.1	15.4	19.8	22.4	20.2	14.9	7.8	1.7	-2.6	83
82	Белогорка	-5.8	-5.0	-0.3	7.5	15.1	19.6	22.2	20.0	14.3	7.0	0.8	-3.6	76
83	Любань	-5.8	-5.0	0.4	8.0	15.4	20.1	22.6	20.3	14.6	7.1	0.8	-3.7	79
84	Висли Горы	-6.1	-5.0	0.6	8.4	16.0	20.3	22.7	20.6	14.6	7.2	0.7	-3.9	80
85	Будогощь	-6.3	-5.4	0.0	8.2	15.8	20.4	23.0	20.7	14.6	7.0	0.5	-4.2	79
86	Никольская	-5.5	-5.0	-0.2	7.7	15.1	19.8	22.3	20.2	14.4	7.1	0.8	-3.4	78
87	Осмино	-5.1	-4.4	0.1	8.1	15.8	20.0	22.6	20.6	14.9	7.6	1.5	-3.0	82
88	Толмачево	-5.1	-4.6	0.3	8.2	16.1	20.2	22.9	20.5	14.7	7.5	1.3	-3.2	82
89	Оредеж	-5.4	-4.6	0.0	8.4	16.1	20.5	23.2	21.0	15.3	7.5	1.0	-3.3	83
90	Луга	-6.0	-5.1	-0.6	8.1	15.7	20.0	22.3	20.1	14.4	7.2	1.0	-3.8	78
91	Замостье Ольгино	-5.2	-4.7	0.1	8.0	15.6	20.0	22.5	20.3	14.8	7.6	1.3	-3.0	81
92	Никольское	-5.5	-5.0	-0.4	7.7	15.4	19.5	22.1	19.9	14.4	7.4	1.0	3.4	78

НОВГОРОДСКАЯ ОБЛАСТЬ Novgorodskaya Oblast

93	Чудово	-6.0	-5.1	0.0	8.0	15.6	20.0	22.6	20.4	14.7	7.2	0.8	-3.5	79
94	Хвостная	-7.1	-6.2	-0.7	7.6	15.6	20.3	22.8	20.5	14.1	6.0	-0.4	-5.2	73
95	Камелка	-7.2	-6.3	-1.0	6.6	14.6	19.0	21.4	19.2	13.4	5.8	-0.7	-5.5	66
96	Веребье	-6.4	-5.4	0.0	8.1	15.9	20.3	22.9	20.6	14.5	6.7	0.3	-4.4	83
97	Новгород, болотная ст.	-5.6	-5.1	-0.4	7.8	16.0	20.1	22.9	20.6	15.0	7.4	0.9	-3.4	80
98	Хуторь	-5.2	-4.5	-0.2	8.4	16.5	21.1	23.4	21.1	15.2	7.2	0.9	-3.5	84
99	Охона	-7.3	-6.4	-0.8	7.5	15.6	20.2	22.7	20.6	14.2	6.1	-0.4	-5.4	72
100	Новгород	-5.6	-5.0	-0.4	7.8	16.0	20.4	22.8	20.7	15.0	7.4	1.0	-3.4	81
101	Боровичи	-6.4	-5.7	-0.1	8.2	16.3	20.8	23.2	21.1	14.9	6.9	0.3	-4.5	79
102	Восцы	-5.8	-5.2	-0.3	7.0	15.2	20.0	22.6	20.4	14.4	6.8	0.9	-3.7	77
103	Окшловка	-6.6	-5.7	-0.4	7.6	15.4	19.8	22.2	20.2	14.1	6.3	-0.1	-4.7	75
104	Крестцы	-5.6	-4.8	0.7	8.7	16.5	20.7	23.1	21.1	15.1	7.4	0.9	-3.7	83
105	Шимск и Шелонь	-5.3	-4.9	-0.4	8.0	16.2	20.4	23.0	21.0	15.3	7.8	1.2	-3.0	83
106	Коростынь	-5.6	-5.1	-0.2	8.0	15.6	20.3	22.7	20.5	15.1	7.6	1.1	-3.4	80
107	Салозы на Шелони	-5.2	-4.5	0.0	8.7	16.4	21.2	23.2	21.4	15.4	8.0	1.6	-2.8	86
108	Старая Русса	-5.3	-4.6	0.0	8.7	16.6	20.8	23.2	21.1	15.5	7.9	1.3	-3.3	85

Table 11
(continued)

80. Novopyatnitskaya
81. Kingisepp
82. Belogorka
83. Lyuban'
84. Vil'i Gory
85. Budogoshch'
86. Nizovskaya
87. Os'mino
88. Tolmachevo
89. Oredezh
90. Luga
91. Zamosh'ye Ol'gino
92. Nikolayevskoye
Novgorodskaya Oblast
93. Chudovo
94. Khvoynaya
95. Kamenko
96. Vereb'ye
97. Novgorod, swamp station
98. Khutyn'
99. Okhony
100. Novgorod
101. Borovichi
102. Voytsy
103. Okulovka
104. Kresttsy
105. Shimsk i Shelon'
106. Korostyn'
107. Sol'tsy na Sheloni
108. Staraya Russa

109	Парфинская лесная школа	-4.9	-3.9	1.2	9.6	17.5	21.6	24.3	22.3	16.2	8.9	2.2	-2.8	9.5
110	Валдай	-6.7	-6.0	-0.8	7.3	13.3	19.5	21.9	19.8	14.0	6.3	0.1	-4.7	7.2
111	Семеновщина	-6.1	-5.7	-1.0	7.2	15.6	19.9	22.0	20.1	14.2	6.7	0.6	-4.1	7.4
112	Велье	-6.6	-6.0	-1.0	7.5	15.4	19.9	22.4	20.2	14.1	6.6	0.2	-4.7	7.3
113	Демьянск	-5.4	-4.4	1.1	9.5	17.0	21.1	23.4	21.3	15.4	7.7	1.3	-3.4	8.7
114	Молвотицы	-5.3	-4.6	0.5	9.0	16.9	20.9	23.1	21.5	15.2	8.3	1.8	-3.2	8.7
115	Марьин	-5.5	-4.4	1.0	9.3	16.7	20.7	23.0	20.9	15.0	7.6	1.3	-3.4	8.5
116	Холм	-5.2	-4.0	1.0	9.5	17.3	21.1	23.0	21.3	15.5	8.2	1.7	-3.2	8.8

ПСКОВСКАЯ ОБЛАСТЬ

117	Гдов	-4.8	-4.8	-0.9	6.7	14.6	19.2	21.8	19.9	14.7	7.8	1.8	-2.4	7.8
118	Ляды	-5.1	-4.4	0.5	8.2	16.0	19.9	22.4	20.4	14.9	7.7	1.4	-3.0	8.2
119	Сосно Раскопель	-4.6	-4.2	-0.1	7.8	15.6	19.9	22.6	20.5	15.0	8.1	1.7	-2.4	8.3
120	Защережье	-5.1	-4.6	0.1	7.8	15.3	19.4	21.9	19.9	14.5	7.6	1.2	-2.9	7.9
121	Замостье, болотная ст.	-5.6	-4.7	-0.1	7.9	15.5	19.8	22.1	20.3	14.8	7.6	1.1	-3.2	8.0
122	Струны Красные	-5.4	-4.4	0.4	8.2	16.1	19.9	22.4	20.2	14.6	7.4	1.3	-3.4	8.1
123	им. Замита, остров	-5.1	-4.4	-0.2	6.6	15.2	19.6	22.2	20.2	14.9	7.7	1.8	-2.8	8.0
124	Дно	-5.4	-4.4	-0.2	8.7	16.6	20.6	23.1	21.2	15.2	7.9	1.5	-3.0	8.5
125	Псков	-4.7	-4.0	0.4	8.7	16.5	20.6	22.9	20.9	15.6	8.2	1.8	-2.6	8.7
126	Порхов	-5.1	-4.4	-0.3	8.4	16.0	20.2	22.7	20.9	15.3	8.3	1.7	-2.8	8.4
128	Псков, с.х. ст.	-4.6	-4.1	-0.1	8.3	16.2	20.6	22.8	21.1	15.8	8.3	1.8	-2.6	8.6
129	Дедовичи	-5.1	-4.6	-0.1	8.8	16.3	20.5	22.8	20.8	15.4	8.3	1.7	-3.0	8.5
130	Остров	-4.9	-4.2	-0.2	8.6	16.7	20.8	23.0	21.1	15.8	8.4	1.9	-2.7	8.7
131	Пыталово	-4.6	-3.9	0.4	8.9	16.9	20.9	23.3	21.1	15.6	8.4	2.0	-2.4	8.9
132	Пушкинские Горы	-5.3	-4.4	0.0	8.7	16.7	20.6	22.9	21.4	15.6	8.1	1.7	-2.9	8.6
133	Сущее	-5.4	-4.6	-0.2	8.7	16.7	20.5	22.7	20.9	15.1	7.8	1.5	-3.1	8.4
134	Опочка	-4.8	-3.7	1.0	9.4	17.0	20.9	23.1	21.2	15.7	8.4	1.8	-2.7	8.9
135	Сюдово	-5.7	-5.0	-0.6	7.8	15.4	19.6	22.0	20.0	14.2	7.3	0.8	-3.8	7.7
136	Баллово	-5.6	-5.1	-0.5	8.0	16.1	20.1	22.1	20.4	14.9	7.7	0.8	-3.7	7.9
137	Великие Луки	-5.1	-4.5	0.3	9.0	16.9	20.9	23.0	21.2	15.7	8.6	1.7	-3.2	8.7
138	Идрица	-5.1	-4.0	0.5	8.9	16.9	20.7	22.7	20.9	15.4	8.2	1.7	-3.0	8.6
139	Жигалово	-5.2	-4.5	0.3	9.0	16.4	21.0	22.7	20.9	15.2	8.3	1.4	-3.0	8.5
140	Новохованск	-4.9	-4.4	0.6	8.9	16.4	20.6	22.4	21.1	15.5	8.5	2.0	-3.0	8.6

Table 11
(continued)

109. Parfinsk forestry school
110. Valday
111. Semenovshchina
112. Vel'ye
113. Demyansk
114. Molvotitsy
115. Marevo
116. Kholm
- Pskovskaya Oblast
117. Gdov
118. Lyady
119. Sosno-Raskopel'
120. Zacheren'ye
121. Zamosh'ye, swamp station
122. Strugi Krasnyye
123. im. Zalita, island
124. Dno
125. Pskov'
126. Porkhov
128. Pskov, agricultural station
129. Dedovichy
130. Ostrov
131. Pytalovo
132. Pushkinskiye Gory
133. Sushchevo
134. Opochka
135. Skokovo
136. Bazlovo
137. Velikiye Luki
138. Idritsa
139. Zhigalovo
140. Novokhovansk

ABSOLUTE MAXIMUM OF AIR TEMPERATURE

Table 12
ТАБЛИЦА 12

АБСОЛЮТНЫЙ МАКСИМУМ ТЕМПЕРАТУРЫ ВОЗДУХА

No. of station	Станция													Year Год
		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	

ЛЕНИНГРАДСКАЯ ОБЛАСТЬ Leningradskaya Oblast

1	Токари	4	4	13	24	29	33	33	32	27	19	10	7	33
2	Лесогорский	6	6	15	23	28	32	33	32	27	20	11	8	33
3	Приозерск	6	7	14	23	29	31	31	31	27	20	12	8	31
4	Вознесенье	6	5	13	25	31	32	33	32	28	22	13	8	33
5	Мятусово	6	5	13	24	31	33	34	33	28	21	12	7	34
9	Сортанлахти, маяк	6	6	14	19	26	30	29	30	26	21	13	8	30
10	Выборг	6	5	14	21	28	32	32	32	27	20	12	7	32
11	Лодейное Поле . . .	5	6	13	26	31	34	35	34	30	21	12	8	35
12	Свирьстрой	5	5	13	25	32	33	36	35	29	21	12	7	36
13	Винница	4	5	13	25	30	32	33	33	28	20	11	8	33
14	Сосново	5	5	14	24	30	32	32	31	28	20	11	9	32
15	Сосново, старая ст.	6	6	13	23	30	31	31	31	27	20	11	8	31
16	Свирица	5	5	11	23	31	32	32	32	28	21	12	7	32
17	Валданицы	5	6	14	25	32	32	34	34	29	21	12	9	34
18	Минтская	4	5	9	26	30	32	34	32	28	20	12	7	34
20	Сухо, маяк	5	4	7	16	20	28	28	28	24	18	10	6	28
21	Приморск	5	5	12	21	27	30	32	31	26	20	11	8	32
22	Сосновый Бор	5	7	12	24	31	32	33	34	27	20	12	9	34
23	Гарболово	5	7	11	23	30	32	32	31	27	20	12	9	32
24	Нарвский, остров . .	5	4	9	20	22	27	27	27	23	18	11	8	27
25	Роцино	5	4	13	24	29	31	32	31	26	20	11	8	32
27	Озерки	5	5	12	22	29	31	33	31	27	20	11	7	33
29	Токсово	5	4	12	23	30	31	32	31	27	20	11	8	32
30	Осиновец	6	5	13	25	31	31	33	32	28	21	12	9	33
31	Сестрорецк	5	5	12	24	30	33	34	32	29	20	12	7	34
32	Карелжи, маяк	5	5	10	16	24	28	30	30	25	19	9	8	30
33	Новая Ладога	6	6	11	24	32	32	34	32	29	21	12	10	34
34	Левашево	6	6	14	24	31	32	33	32	28	21	12	9	33
35	Гогланд	6	4	12	22	26	29	30	29	26	19	12	9	30
36	Сескар	5	5	11	22	26	31	29	29	25	19	12	8	31
37	Гогланд I	6	4	13	24	26	33	32	31	26	19	11	9	33
38	Мощный	6	5	11	21	26	29	30	30	26	20	11	8	30
39	Лисий Нос	6	5	9	23	29	31	32	31	28	19	12	6	32
41	Шепелевский маяк	6	6	14	22	30	30	33	32	28	21	12	9	33
42	Кронштадт	7	6	12	23	30	31	32	32	27	20	12	10	32
43	Ленинград, аэро- порт	6	6	13	25	31	32	32	32	28	21	12	9	32

Leningradskaya Oblast

- | | |
|------------------------------------|-------------------------------------|
| 1. Tokari | 39. Lisiy Nos |
| 2. Lesogorskiy | 41. Shepelevskiy, lighthouse/beacon |
| 3. Priozersk | 42. Kronshtadt |
| 4. Voznesen'ye | 43. Leningrad, airport |
| 5. Myatusovo | |
| 9. Sortanlakhti, lighthouse/beacon | |
| 10. Vybor | |
| 11. Lodeynoye Pole | |
| 12. Svir'stroy | |
| 13. Vinnitsy | |
| 14. Sosnovo | |
| 15. Sosnovo, old station | |
| 16. Sviritsa | |
| 17. Valdanitsy | |
| 18. Mininskaya | |
| 20. Sukho, lighthouse/beacon | |
| 21. Primorsk | |
| 22. Sosnovyy Bor | |
| 23. Garbolovo | |
| 24. Narvskiy, island | |
| 25. Roshchino | |
| 27. Ozerki | |
| 29. Toksovo | |
| 30. Osinovets | |
| 31. Sestroretsk | |
| 32. Karendzhi, lighthouse/beacon | |
| 33. Novaya Ladoga | |
| 34. Levashevo | |
| 35. Gogland | |
| 36. Seskar | |
| 37. Gogland I | |
| 38. Moshchnyy | |

Station

№ станции	Станция Station	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год Year
44	Лебяжье	6	6	14	25	31	32	33	32	29	22	14	10	33
45	Ленинград, ГМО	6	6	13	24	31	32	33	32	28	21	12	9	33
46	Воейково	5	5	13	24	30	32	32	32	28	21	12	9	32
47	Шугозеро	5	5	14	25	31	32	33	33	28	20	11	8	33
48	Черная Речка	6	6	13	24	31	32	32	33	28	21	12	9	33
49	Петрокрепость	6	6	13	24	31	32	32	33	28	22	12	9	33
50	Волхов	6	6	12	26	31	33	33	33	29	21	12	10	33
51	Ломоносов, лесной техникум	6	6	15	26	30	31	32	31	28	21	12	10	32
52	Ломоносов	6	6	13	24	31	31	33	31	27	21	12	10	33
53	Невская (г. Ленинград)	6	5	14	25	30	32	33	32	29	21	12	9	33
54	Петродворец	6	6	14	23	31	31	32	32	28	22	13	10	32
56	Петродворец, парк	6	6	14	24	30	32	33	32	28	21	13	9	33
57	Стрельна	6	6	13	23	31	33	33	32	29	21	12	9	33
59	Приладога	6	6	12	24	31	32	33	32	28	21	12	9	33
61	Ново-Саратовская	6	5	13	25	30	32	32	32	28	21	12	10	32
62	Старое Гарколово	6	6	13	24	31	32	33	31	28	21	12	9	33
65	Кайболово	6	6	12	22	29	31	32	31	28	21	12	10	32
66	Мга	6	6	15	24	31	32	34	32	29	22	12	9	34
67	Пушкин	7	6	14	26	31	32	32	32	28	21	12	9	32
68	Пушкин, с.-х. ст.	6	6	13	26	32	32	33	33	29	21	12	9	33
70	Павловск	6	6	14	26	32	34	34	34	29	22	12	9	34
71	Тихвин, Березовик	6	5	14	28	32	33	35	35	30	22	12	9	35
72	Гакково	5	5	12	23	30	32	32	32	28	22	12	10	32
73	Усть-Луга	6	6	13	26	30	32	32	31	28	21	13	9	32
75	Саблино	6	6	14	26	31	32	33	32	28	22	12	9	33
76	Тихвин	5	5	14	27	31	33	35	34	29	21	11	9	35
77	Гатчина	6	6	14	26	31	32	33	32	28	21	12	9	33
78	Ефимовская	4	4	13	27	31	33	33	33	28	20	11	8	33
79	Волосово	5	5	14	25	30	32	32	32	27	21	11	8	32
80	Новопятницкая	6	6	14	25	30	32	32	32	26	21	12	9	32
81	Кикгисепи	6	6	14	25	30	32	32	32	27	22	12	9	32
82	Белогорка	6	6	14	26	30	32	33	32	28	21	12	9	33
83	Любань	6	6	14	26	31	32	33	32	28	21	11	9	33
84	Вильи Горы	6	6	15	28	31	33	33	34	29	21	12	9	34
85	Будогощь	6	6	14	28	31	33	34	35	30	21	12	9	35
87	Осьмино	6	6	14	25	30	32	33	32	28	22	12	9	33
88	Толмачево	6	6	16	27	32	33	34	34	29	22	13	10	34
89	Оредеж	6	6	15	27	32	33	33	32	29	21	13	10	33
90	Луга	6	6	16	27	31	32	33	33	28	21	12	10	33
92	Николаевское	7	6	15	26	31	31	32	33	28	21	12	10	33

44. Lebyazh'ye
45. Leningrad, Hydrometeorological Observatory
46. Voyeykovo
47. Shugozero
48. Chernaya Rechka
49. Petrokrepost'
50. Volkhov
51. Lomonosov, forestry school
52. Lomonosov
53. Nevskaya (Leningrad)
54. Petrodvorets
56. Petrodvorets, park
57. Strel'na
59. Priladoga
61. Novo-Saratovskaya
62. Staroye Garkolovo
65. Kaybolovo
66. Mga
67. Pushkin
68. Pushkin, agricultural station
70. Pavlovsk
71. Tikhvin, Berezovik
72. Gakkovo
73. Ust'-Luga
75. Sablino
76. Tikhvin
77. Gatchina
78. Yefimovskaya
79. Volosovo
80. Novopyatnitskaya
81. Kingisepp
82. Belogorka
83. Lyuban'
84. Vil'i Gory
85. Budogoshch'
87. Os'mino
88. Tolmachevo
89. Oredezh
90. Luga
92. Nikolayevskoye

Station

No.

№ станции	Станция Station	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год Year
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NOVGORODSKAYA OBLAST
НОВГОРОДСКАЯ ОБЛАСТЬ

93	Чудово	6	6	13	26	30	32	34	33	29	22	12	9	34
94	Хвойная	5	5	13	28	31	33	35	34	29	21	11	8	35
95	Каменка	4	5	13	27	30	32	33	34	29	21	11	8	34
96	Веребье	5	6	15	28	31	33	34	35	30	22	12	8	35
97	Новгород, болот- ная ст.	6	6	13	26	31	32	34	33	29	21	14	10	34
98	Хутынь	6	7	14	27	31	34	34	34	30	21	13	10	34
99	Охоты	4	6	13	28	33	33	35	34	29	22	12	8	35
100	Новгород	6	6	13	26	31	32	34	34	29	21	13	10	34
101	Боровичи	5	6	14	29	32	34	35	35	29	23	12	9	35
102	Войцы	6	5	11	23	30	32	34	34	28	19	11	6	34
103	Окуловка	5	5	14	27	31	32	33	33	29	22	12	9	33
104	Крестцы	6	6	15	28	32	33	34	35	30	23	12	9	35
105	Шимск и Шелонь	6	7	14	27	31	32	34	34	30	22	13	10	34
106	Коростынь	6	5	12	27	31	32	34	34	30	21	12	9	34
108	Старая Русса	6	6	15	26	32	33	33	34	30	23	13	9	34
110	Валдай	5	5	13	26	31	32	33	33	30	22	12	8	33
111	Семеновщина	5	5	12	26	31	33	34	34	29	22	12	9	34
113	Демянск	6	7	15	28	32	34	35	36	30	23	13	10	36
115	Марево	6	6	15	28	32	33	35	35	29	23	12	9	35
116	Холм	6	6	16	28	32	33	34	35	30	22	14	10	35

PSKOVSKAYA OBLAST
ПСКОВСКАЯ ОБЛАСТЬ

117	Гдов	6	6	13	26	29	31	33	33	28	21	12	7	33
118	Ляды	6	6	15	26	31	31	33	33	28	21	12	9	33
119	Сосно-Раскопель	6	6	14	26	30	31	34	33	28	20	13	8	34
120	Зачеренье	6	6	15	26	30	32	32	33	28	20	12	10	33
121	Замошье, болот- ная ст.	7	7	16	27	30	31	33	34	29	21	13	10	34
122	Струги Красные	6	6	15	26	31	31	34	34	28	20	12	9	34
123	им. Залита, остров	6	6	14	23	29	32	34	34	28	20	11	9	34
124	Дно	6	6	15	27	32	34	34	35	30	22	13	10	35
125	Псков	7	7	16	26	32	32	35	36	30	22	12	10	36
126	Порхов	7	6	15	28	31	32	33	34	30	22	14	10	34
128	Псков, с.-х. ст.	7	7	16	26	31	32	33	34	29	22	13	10	34
130	Остров	7	6	16	26	32	33	33	36	29	21	13	10	36
131	Пыталово	7	6	16	26	32	32	35	36	30	22	12	10	36
132	Пушкинские Горы	7	6	16	26	32	33	34	36	29	22	13	10	36
133	Сушево	7	6	16	26	32	33	34	35	29	22	13	10	35
134	Опочка	7	6	16	27	32	33	34	36	29	22	13	10	36
136	Баздово	6	6	15	27	32	33	34	34	28	22	12	9	34
137	Великие Луки	6	6	16	27	32	34	34	35	30	23	13	9	35
138	Идрица	7	6	16	27	32	33	34	35	28	22	13	9	35
139	Жигалово	6	5	16	26	31	33	35	36	30	22	13	9	36

- | | |
|----------------------------------|--------------------|
| 93. Chudovo | 136. Bazlovo |
| 94. Khvoynaya | 137. Velikiye Luki |
| 95. Kamenka | 138. Idritsa |
| 96. Vereb'ye | 139. Zhigalovo |
| 97. Novgorod, swamp station | |
| 98. Khutyn' | |
| 99. Okhony | |
| 100. Novgorod | |
| 101. Borovichy | |
| 102. Voytsy | |
| 103. Okulovka | |
| 104. Kresttsy | |
| 105. Shimsk and Shelon' | |
| 106. Korostyn' | |
| 108. Staraya Russa | |
| 110. Valday | |
| 111. Semenovshchina | |
| 113. Demyansk | |
| 115. Marevo | |
| 116. Kholm | |
| 117. Gdov | |
| 118. Lyady | |
| 119. Sosno-Raskopel' | |
| 120. Zacheren'ye | |
| 121. Zamosh'ye, swamp station | |
| 122. Strugi Krasnyye | |
| 123. imeni Zalita, island | |
| 124. Dno | |
| 125. Pskov | |
| 126. Porkhov | |
| 128. Pskov, agricultural station | |
| 130. Ostrov | |
| 131. Pytalovo | |
| 132. Pushkinskiye Gory | |
| 133. Sushchevo | |
| 134. OPOCHKA | |

TABLE 4

NUMBER OF DAYS WITH MAXIMUM AIR
TEMPERATURE WITHIN VARIOUS LIMITS

ТАБЛИЦА 4

ЧИСЛО ДНЕЙ С МАКСИМАЛЬНОЙ ТЕМПЕРАТУРОЙ ВОЗДУХА
В РАЗЛИЧНЫХ ПРЕДЕЛАХ

Температура Temperature	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
From To												

LENINGRADSKAYA OBLAST
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

4. Вознесенье

Voznesen'ye

-39.9	-35.0	0.1										0.04
-34.9	-30.0	0.2										0.2
-29.9	-25.0	0.4	0.3									0.5
-24.9	-20.0	1.0	0.5	0.04								1.2
-19.9	-15.0	1.7	1.8	0.2							0.4	3.1
-14.9	-10.0	5.6	6.3	1.4						0.1	2.5	6.1
-9.9	-5.0	7.7	8.2	5.6	0.2					1.6	8.5	9.6
-4.9	0.0	8.8	7.0	10.3	2.6	0.1				0.3	10.4	14.2
0.1	5.0	5.6	3.9	10.6	10.1	1.4	0.1			5.1	12.8	4.3
5.1	10.0			2.7	9.8	7.7	1.2	0.03	0.03	5.1	12.8	0.1
10.1	15.0		0.2	5.2	9.6	5.5	1.3	2.9	13.2	5.9	0.1	
15.1	20.0			1.9	7.6	10.2	8.4	12.1	9.0	0.2		
20.1	25.0			0.2	4.2	8.9	13.8	12.4	1.9			
25.1	30.0				0.4	3.9	6.8	3.3	0.5			
30.1	35.0				0.04	0.2	0.7	0.3				

16. Свирица

Sviritsa

-44.9	-40.0	0.03										
-39.9	-35.0	0.03										0.03
-34.9	-30.0	•	0.03									0.1
-29.9	-25.0	0.4	0.2									0.5
-24.9	-20.0	1.1	0.3	0.03								1.1
-19.9	-15.0	2.0	1.7	0.1							0.1	2.8
-14.9	-10.0	4.5	4.6	1.6						0.03	2.3	4.9
-9.9	-5.0	7.4	8.4	5.0	0.2					1.1	8.0	9.3
-4.9	0.0	8.4	8.1	10.0	2.1	0.03				0.2	8.7	14.2
0.1	5.0	7.2	4.7	13.2	11.6	1.1	0.03			4.5	14.1	5.1
5.1	10.0			1.1	9.8	7.0	0.8			4.5	14.1	0.5
10.1	15.0				4.4	10.3	5.4	1.5	2.6	13.5	6.6	0.3
15.1	20.0				1.6	8.0	11.1	8.8	11.8	9.7	0.5	
20.1	25.0				0.3	4.1	8.6	13.9	13.1	1.7		
25.1	30.0					0.5	3.9	5.8	3.2	0.4		
30.1	35.0						0.2	1.0	0.3			

45. Ленинград, ГМО

Leningrad, Hydrometeorological Station

-34.9	-30.0	0.01										0.01
-29.9	-25.0	0.1	0.01									0.2
-24.9	-20.0	0.6	0.2									0.01
-19.9	-15.0	1.6	1.0	0.1								0.2
-14.9	-10.0	3.8	4.3	1.1							0.1	2.1
-9.9	-5.0	7.3	7.2	4.1	0.04						1.2	7.2
-4.9	0.0	9.9	9.0	9.7	1.7	0.01				0.1	7.7	14.3
0.1	5.0	7.6	6.3	13.9	9.8	1.4	0.8	0.04	0.03	3.9	13.8	6.0
5.1	10.0	0.1	0.01	11.1	11.1	6.3	0.8	0.04	0.03	3.9	13.8	0.2
10.1	15.0			0.2	4.9	10.1	5.7	0.8	2.3	13.3	7.2	1.0
15.1	20.0				2.0	7.9	11.6	9.1	14.2	10.4	1.0	
20.1	25.0				0.5	4.3	8.1	14.0	10.9	2.0	0.04	
25.1	30.0					1.0	3.6	6.5	3.4	0.3		
30.1	35.0					0.01	0.2	0.6	0.2			

Температура Temperature		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от From	до To												

70. Павловск
Pavlovsk

-34.9	-30.0	0.01											0.02
-29.9	-25.0	0.2	0.03										0.1
-24.9	-20.0	0.6	0.2										0.3
-19.9	-15.0	2.1	1.2	0.03								0.1	0.9
-14.9	-10.0	4.0	4.2	0.8								0.4	2.7
-9.9	-5.0	7.7	6.4	3.4	0.03						0.2	2.9	6.6
-4.9	0.0	8.9	9.2	8.8	1.1	0.02					1.5	7.3	10.2
0.1	5.0	7.5	6.7	14.3	8.5	1.2	0.02			0.2	8.2	13.8	8.5
5.1	10.0	0.03	0.1	3.4	10.8	5.1	0.8	0.1	0.1	4.0	12.6	5.3	0.7
10.1	15.0			0.3	6.2	8.7	4.5	1.2	2.6	11.6	7.0	0.2	
15.1	20.0				2.7	8.6	10.3	6.5	12.6	11.1	1.4		
20.1	25.0				0.7	5.4	-9.3	13.5	10.8	2.8	0.1		
25.1	30.0					1.9	4.7	8.2	4.4	0.3			
30.1	35.0					0.1	0.4	1.5	0.5				

92. Николаевское

Nikolayevskoye

-34.9	-30.0	0.1											0.04
-29.9	-25.0	0.1	0.1										0.2
-24.9	-20.0	0.4	0.2										0.6
-19.9	-15.0	1.5	0.9										0.3
-14.9	-10.0	4.0	4.5	0.8								0.1	2.3
-9.9	-5.0	8.1	7.3	4.1								1.7	6.9
-4.9	0.0	9.2	8.6	9.4	1.2	0.02						7.9	10.1
0.1	5.0	7.5	6.3	13.8	9.1	0.6				0.1	7.5	13.4	10.0
5.1	10.0	0.1	0.1	2.7	10.0	4.1	0.5			3.5	13.3	5.8	0.9
10.1	15.0			0.2	6.2	9.6	4.7	0.8	2.2	12.8	7.6	0.2	
15.1	20.0				2.9	9.8	11.5	8.0	13.3	10.6	0.8		
20.1	25.0				0.6	5.9	9.2	14.5	11.4	2.7			
25.1	30.0				0.02	1.0	3.9	7.3	3.9	0.3			
30.1	35.0							0.2	0.4	0.2			

NOVGORODSKAYA OBLAST'
НОВГОРОДСКАЯ ОБЛАСТЬ

96. Веребье

Vereb'ye

-39.9	-35.0	0.03											
-34.9	-30.0	0.1											
-29.9	-25.0	0.2	0.2										0.03
-24.9	-20.0	0.7	0.2										0.2
-19.9	-15.0	1.7	1.0	0.03									1.2
-14.9	-10.0	4.6	5.0	0.4								0.03	0.5
-9.9	-5.0	8.0	8.0	3.5	0.1							0.1	2.6
-4.9	0.0	9.2	8.7	10.0	1.1	0.03						1.8	8.4
0.1	5.0	6.4	4.9	13.7	8.2	0.4				0.3	8.5	12.9	9.6
5.1	10.0	0.1	0.05	3.2	10.2	3.8	0.5		0.1	3.1	12.5	5.2	0.6
10.1	15.0			0.2	6.5	8.6	4.0	0.8	2.1	12.1	7.0	0.4	
15.1	20.0				2.9	9.9	9.8	6.3	11.1	11.3	1.0		
20.1	25.0				1.0	6.6	10.0	13.7	11.9	2.9	0.1		
25.1	30.0				0.03	1.6	5.3	9.0	5.2	0.3			
30.1	35.0					0.1	0.4	1.2	0.6				

100. Новгород

Novgorod

-39.9	-35.0	0.03											
-34.9	-30.0	0.1											
-29.9	-25.0	0.2	0.2										0.2
-24.9	-20.0	0.7	0.5										0.9
-19.9	-15.0	1.7	1.3										0.3
-14.9	-10.0	4.2	4.9	1.0								0.3	2.5
-9.9	-5.0	6.9	6.9	4.4	0.03						0.2	1.7	6.1

Температура Temperature		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
от From	до To												
-4.9	0.0	9.0	8.3	10.1	1.5						1.3	7.7	9.8
0.1	5.0	8.1	5.9	13.5	9.2	0.5				0.1	7.3	14.1	10.6
5.1	10.0	0.1	0.03	1.9	9.9	3.4	0.4			3.0	13.5	5.9	0.9
10.1	15.0			0.1	5.6	9.5	3.6	0.6	1.5	12.0	7.9	0.3	0.03
15.1	20.0				3.2	10.5	10.5	6.4	11.4	11.6	0.8		
20.1	25.0				0.6	5.9	10.4	14.9	13.2	2.9			
25.1	30.0				0.03	1.2	4.6	8.4	4.6	0.4			
30.1	35.0						0.5	0.7	0.3				

110. Валдай
Valday

-39.9	-35.0	0.03											
-34.9	-30.0	0.1											
-29.9	-25.0	0.4	0.2										0.03
-24.9	-20.0	0.9	0.2										0.4
-19.9	-15.0	2.3	1.6	0.1									1.6
-14.9	-10.0	5.3	5.9	1.0								0.5	3.0
-9.9	-5.0	7.9	7.3	4.9	0.2					0.1	3.3	6.5	
-4.9	0.0	9.4	8.9	10.7	2.1					2.0	9.3	11.0	
0.1	5.0	4.7	3.9	12.0	9.3	0.7			0.4	9.5	12.1	8.1	
5.1	10.0			2.1	10.2	5.2	0.7		0.1	4.6	12.0	4.5	0.4
10.1	15.0			0.2	5.0	9.1	4.5	1.1	2.7	12.2	6.3	0.3	
15.1	20.0				2.6	9.3	11.0	8.3	11.7	10.3	1.0		
20.1	25.0				0.6	6.0	9.6	13.9	12.3	2.1	0.1		
25.1	30.0				0.03	0.7	4.1	7.1	3.7	0.4			
30.1	35.0						0.1	0.6	0.5				

PSKOVSKAYA OBLAST'
ПСКОВСКАЯ ОБЛАСТЬ125. Псков
Pskov

-34.9	-30.0	0.03											
-29.9	-25.0	0.3	0.2										
-24.9	-20.0	0.4	0.3										0.1
-19.9	-15.0	1.6	1.1										0.5
-14.9	-10.0	3.2	3.8	0.6								0.1	1.8
-9.9	-5.0	7.3	7.0	3.8	0.03							1.3	5.0
-4.9	0.0	9.0	7.1	8.6	1.0					0.8	6.4	9.3	
0.1	5.0	9.1	8.3	14.4	7.1	0.3				0.1	6.2	13.5	12.7
5.1	10.0	0.1	0.2	3.3	10.2	2.5	0.2			2.5	12.8	8.1	1.6
10.1	15.0			0.2	7.6	9.5	2.8	0.2	0.9	11.3	9.6	0.6	0.03
15.1	20.0			0.1	3.2	10.1	10.3	5.5	10.2	12.0	1.5		
20.1	25.0				0.8	7.0	10.9	15.9	14.6	3.5	0.1		
25.1	30.0				0.1	1.5	5.3	8.4	5.2	0.6			
30.1	35.0					0.1	0.5	1.0	0.1				
35.1	40.0								0.03				

137. Великие Луки
Velikiye Luki

-29.9	-25.0	0.2	0.1										0.2
-24.9	-20.0	0.5	0.2										0.8
-19.9	-15.0	1.2	1.2										
-14.9	-10.0	3.7	3.5	0.4								0.2	1.3
-9.9	-5.0	7.2	6.2	3.2								1.6	5.3
-4.9	0.0	9.4	8.2	8.6	1.2						0.8	7.5	9.1
0.1	5.0	8.8	8.5	15.9	6.0					0.1	6.3	13.6	12.8
5.1	10.0	0.05	0.1	2.6	8.6	1.7	0.1			1.9	12.9	6.4	1.5
10.1	15.0			0.3	8.1	8.4	1.8	0.2	1.2	10.0	9.1	0.7	
15.1	20.0			0.05	4.5	11.1	9.4	4.8	10.2	13.2	1.7		
20.1	25.0				1.4	7.5	11.7	14.8	12.7	3.8	0.2		
25.1	30.0				0.2	2.2	6.7	9.2	6.4	1.0			
30.1	35.0					0.1	0.3	2.0	0.5				
35.1	40.0								0.04				

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MEAN OF ABSOLUTE AIR TEMPERATURE MAXIMUMS
ТАБЛИЦА 14

СРЕДНИЙ ИЗ АБСОЛЮТНЫХ МАКСИМУМОВ ТЕМПЕРАТУРЫ ВОЗДУХА
Station No.

№ станции	Станция Station	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год Year
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LENINGRADSKAYA OBLAST
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

1	Токари	1	0	5	15	23	27	27	25	20	12	6	1	29
2	Лесогорский	2	2	8	16	23	26	28	26	20	13	7	3	29
3	Приозерск	2	2	7	14	23	26	27	25	20	13	7	4	28
4	Вознесенье	2	2	7	16	23	27	28	26	21	13	7	3	29
5	Мятусово	2	1	6	16	24	26	28	27	20	13	7	2	30
9	Сортавала, маяк . . .	3	3	7	12	19	24	24	23	19	14	8	3	26
10	Выборг	2	2	6	14	22	26	28	26	20	13	7	3	29
11	Лодейное Поле . . .	2	1	5	16	25	28	29	28	21	13	7	3	31
12	Свирьстрой	1	1	6	17	25	28	30	28	21	13	7	3	32
13	Винницы	1	1	6	16	24	27	28	27	21	13	7	2	30
14	Сосново	2	2	6	15	23	26	27	26	20	13	7	3	29
15	Сосново, старая ст.	1	2	6	15	23	26	27	25	20	13	6	3	29
16	Свирица	2	2	5	15	24	27	28	26	21	13	7	3	29
17	Валдаицы	2	2	7	17	25	27	29	28	22	14	7	3	30
18	Мининская	1	1	6	15	23	27	27	26	21	12	7	2	30
20	Сухо, маяк	2	1	3	8	16	22	24	22	17	12	6	2	25
21	Примерск	2	2	5	13	21	25	27	25	19	13	8	4	27
22	Сосновый Бор	2	2	6	16	24	27	28	26	20	13	7	3	30
23	Гарболово	2	2	5	15	23	27	27	26	20	13	7	3	28
24	Нарвский, остров . .	1	1	2	8	17	22	23	22	17	11	6	4	25
25	Рощино	1	1	6	15	23	26	27	25	19	13	6	3	28
27	Озерки	2	1	5	14	22	26	27	25	19	13	7	3	28
29	Токсово	1	1	5	15	23	26	27	25	20	13	6	2	28
30	Осиновец	2	2	6	15	23	26	28	26	21	14	8	3	29
31	Сестрорецк	2	2	5	16	24	27	28	26	21	13	7	3	30
32	Кареджи, маяк . . .	2	1	3	10	19	22	25	24	18	12	6	2	26
33	Новая Ладога	2	2	6	16	24	27	28	27	21	14	7	3	30
34	Левашево	2	2	6	17	25	27	28	27	21	14	7	3	30
35	Гогланд	2	2	5	12	20	23	25	23	19	13	8	4	26
36	Сескар	2	1	4	11	20	23	26	24	19	12	8	4	26
37	Гогланд I	2	2	5	14	22	26	28	25	19	12	7	5	29
38	Мощный	2	1	4	12	20	24	26	24	19	13	8	4	27
39	Дудин Нос	2	2	4	14	22	26	27	25	20	13	6	3	28
41	Шепелевский, маяк .	2	2	6	14	23	25	28	25	20	14	8	4	29
42	Кронштадт	3	2	6	15	23	27	28	27	22	13	8	4	29
43	Ленинград, аэро- порт	2	2	6	16	24	27	28	26	21	14	8	4	29

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1. Tokari
2. Lesogorskiy
3. Priozersk
4. Vosnesen'ye
5. Myatusovo
9. Sortanglakhti, beacon'
10. Vyborg
11. Lodeynoye Pole
12. Svir'stroy
13. Vinnitsy
14. Sosnovo
15. Sosnovo, old station
16. Sviritsa
17. Valdanitsy
18. Mininskaya
20. Sukho, beacon
21. Primorsk
22. Sosnovyy Bor
23. Garbolovo
24. Narvskiy, island
25. Roshchino
27. Ozerki
29. Toksovo
30. Osinovets
31. Sestroretsk
32. Karedzhi, beacon
33. Novaya Ladoga
34. Levashevo
35. Gogland
36. Seskar
37. Gogland I
38. Moshchnyy
39. Lisiy Noc
41. Shepelevskiy, beacon
42. Kronshtadt
43. Leningrad, airport

Station
No.

Станция №	Станция Station	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год Year
44	Лебяжье	3	2	7	16	24	27	28	26	21	14	8	4	30
45	Ленинград, ГМО	2	2	6	17	24	27	28	27	21	14	8	4	30
46	Воейково	2	2	6	16	24	27	28	26	21	14	7	3	29
47	Шугозеро	1	1	7	16	24	27	28	27	21	13	7	3	30
48	Черная Речка	2	2	6	16	24	26	28	27	21	14	8	4	29
49	Петрокрепость	2	2	6	16	25	26	28	26	21	14	8	3	29
50	Волхов	2	2	7	17	24	27	29	27	22	14	7	4	30
51	Ломоносов, лесной техникум	3	3	8	16	24	26	28	26	21	14	8	4	29
52	Ломоносов	3	2	6	15	23	26	27	26	21	14	8	4	29
53	Невская (г. Ленинград)	2	2	6	16	24	27	28	26	21	14	8	4	30
54	Петродворец	3	2	7	16	24	26	28	26	21	14	8	4	29
56	Петродворец, парк	3	3	6	16	24	27	28	26	21	14	8	4	29
57	Стрельна	2	2	6	16	24	27	28	27	21	14	8	4	29
59	Приладога	2	2	6	17	24	27	28	27	22	14	8	3	30
61	Ново-Саратовская	2	2	6	16	24	26	28	26	21	14	8	4	29
62	Старое Гарколово	3	2	6	16	24	26	28	26	21	14	7	4	29
65	Кайболово	2	2	5	15	23	26	27	26	20	14	8	5	28
66	Мга	2	3	7	17	25	28	29	27	22	15	8	4	30
67	Пушкин	2	2	6	17	24	27	28	26	21	14	8	3	29
68	Пушкин, с.-х. ст.	2	2	7	17	25	27	28	27	22	14	8	4	30
69	Павловск	2	3	7	18	26	28	28	28	22	14	8	4	31
71	Тихвин, Березовик	2	2	7	18	26	28	30	28	22	14	8	3	31
72	Гакково	2	2	5	15	24	26	28	26	20	14	7	5	28
73	Усть-Луга	3	2	6	16	24	27	28	26	21	14	8	4	29
74	Саблино	2	2	7	17	25	27	29	27	22	14	8	4	30
76	Тихвин	2	2	6	17	25	28	29	27	21	14	7	3	30
77	Гатчина	2	2	6	16	25	27	28	26	21	14	7	3	30
78	Ефимовская	1	1	6	16	24	27	28	27	21	13	6	2	30
79	Волосово	2	1	6	16	24	26	28	26	20	13	7	3	29
80	Новопятницкая	3	3	7	17	24	28	28	26	20	14	8	4	29
81	Кингисепп	3	3	7	17	25	27	28	26	21	15	8	4	29
82	Белогорка	2	2	7	16	24	27	28	26	21	14	7	3	29
83	Любань	2	2	8	17	25	27	28	27	21	14	8	4	30
84	Видлы Горы	2	2	8	18	24	28	29	27	21	14	7	4	30
85	Будогощь	2	2	7	18	25	28	29	28	22	14	8	4	31
87	Осьмино	3	2	7	17	25	27	28	27	21	14	8	4	29
88	Толмачево	2	2	8	19	26	28	29	27	22	15	8	4	30
89	Оредеж	2	3	8	18	25	28	29	28	22	15	8	4	30
90	Луга	3	2	8	17	25	27	28	27	21	14	8	4	29
92	Николаевское	2	2	7	17	25	27	28	26	21	15	8	4	29

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Station

№ станции	Станция Station	No.												Год Year
		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	

NOVGORODSKAYA OBLAST
НОВГОРОДСКАЯ ОБЛАСТЬ

93	Чудово	2	2	7	17	25	27	28	27	22	15	8	4	30
94	Хвойная	1	1	6	18	25	28	29	28	22	14	7	2	30
95	Каменка	1	1	6	16	24	27	28	26	20	14	6	2	29
96	Веребье	2	2	7	18	25	28	29	28	22	15	8	3	30
97	Новгород, болот- ная ст.	2	3	7	17	25	28	29	28	22	15	8	4	30
98	Хутынь	2	3	7	18	25	29	29	28	22	14	8	4	30
99	Охоны	1	1	6	17	25	28	29	28	22	14	7	3	30
100	Новгород	2	2	6	17	25	27	28	27	22	15	8	4	30
101	Боровичи	2	2	7	18	26	28	29	28	22	15	7	3	31
102	Войцы	2	2	4	15	23	27	28	27	21	14	7	2	29
103	Окуловка	2	2	7	17	24	27	28	27	21	15	7	3	30
104	Крестцы	2	2	7	18	25	28	29	28	22	16	8	4	30
105	Шимск и Шелонь	3	3	7	18	26	28	29	28	22	16	8	4	30
106	Коростынь	2	2	6	18	25	28	29	28	22	15	8	4	30
108	Старая Русса	2	2	6	18	25	28	29	28	22	16	8	4	31
110	Валдай	2	1	6	17	24	27	28	27	21	15	7	3	29
111	Семеновщина	2	2	5	17	25	28	28	27	21	14	7	3	29
113	Демянск	3	3	8	20	26	28	30	29	23	16	8	4	31
115	Марево	2	3	8	19	26	28	29	28	23	16	8	4	30
116	Холм	3	3	8	19	26	28	29	29	22	16	8	4	30

PSKOVSKAYA OBLAST
ПСКОВСКАЯ ОБЛАСТЬ

117	Гдов	2	2	5	16	24	26	28	26	21	14	8	3	29
118	Ляды	2	2	7	17	25	27	28	27	21	15	8	4	29
119	Сосно-Раскопель	3	2	6	17	24	27	29	27	21	14	8	4	29
120	Зачеренье	2	2	7	17	25	27	28	27	21	14	8	4	29
121	Замощье, болот- ная ст.	2	3	7	18	25	27	28	27	22	15	8	4	29
122	Струги Красные	2	2	6	17	25	27	28	26	21	14	8	3	29
123	им. Залита, остров	2	2	5	15	23	26	27	26	20	14	7	3	28
124	Дно	3	2	7	18	26	28	29	28	22	16	8	4	30
125	Псков	3	2	7	18	26	28	28	28	22	15	8	4	30
126	Порхов	3	3	7	18	26	27	29	27	23	16	9	4	29
128	Псков, с.-х. ст.	2	3	7	18	25	28	28	27	22	16	9	4	29
130	Остров	3	2	7	18	26	28	29	28	23	15	9	4	30
131	Пыталово	3	3	7	18	26	28	29	28	23	16	8	5	30
132	Пушкинские Горы	2	2	7	18	26	28	29	28	23	16	8	4	30
133	Сушево	2	2	7	18	25	27	28	27	22	16	8	4	30
134	Опочка	3	3	8	19	26	28	29	28	23	16	9	4	30
136	Базлово	2	2	7	18	25	28	29	27	22	16	8	3	30
137	Великие Луки	2	2	7	19	26	28	29	29	23	16	8	4	30
138	Идрица	2	2	8	19	25	28	29	28	23	16	9	4	30
139	Жигалово	2	2	7	19	25	28	29	29	23	16	9	3	30

44. Lebyazh'ye
45. Leningrad Hydrometeorological Observatory
46. Voyeykovo
47. Shugozero
48. Chernaya Rechka
49. Petrokrepost'
50. Volkhov
51. Lomonosov, forestry school
52. Lomonosov
53. Nevskaya (Leningrad)
54. Petrodvorets
56. Petrodvorets, park
57. Strel'na
59. Priladoga
61. Novo-Saratovskaya
62. Staroye Garkolovo
65. Kaybolovo
66. Mga
67. Pushkin
68. Pushkin, agricultural station
69. Pavlovsk
71. Tikhvin, Berezovik
72. Gakkovo
73. Ust'-Luga
74. Sablino
76. Tikhvin
77. Gatchina
78. Yefimovskaya
79. Volosovo
80. Novopyatnitskaya
81. Kingisepp
82. Belogorka
83. Lyuban'
84. Vil'i Gory
85. Budogoshch'
87. Os'mino
88. Tolmachevo
89. Oredezh
90. Luga
92. Nikolayevskoye

- | | |
|----------------------------------|--------------------|
| 93. Chudovo | 136. Bazlovo |
| 94. Khvoynaya | 137. Velikiye Luki |
| 95. Kamenka | 138. Idritsa |
| 96. Vereb'ye | 139. Zhigalovo |
| 97. Novgorod, swamp station | |
| 98. Khutyn' | |
| 99. Okhony | |
| 100. Novgorod | |
| 101. Borovich | |
| 102. Voytsy | |
| 103. Okulovka | |
| 104. Kresttsy | |
| 105. Shimsk and Shelon' | |
| 106. Korostyn' | |
| 108. Staraya Russa | |
| 110. Valday | |
| 111. Semenovshchina | |
| 113. Demyansk | |
| 115. Marevo | |
| 116. Kholm | |
| 117. Gdov | |
| 118. Lyady | |
| 119. Sosno-Raskopel' | |
| 120. Zacheren'ye | |
| 121. Zamosh'ye, swamp station | |
| 122. Strugi Krasnyye | |
| 123. imeni Zalita, island | |
| 124. Dno | |
| 125. Pskov | |
| 126. Porkhov | |
| 128. Pskov, agricultural station | |
| 130. Ostrov | |
| 131. Pytalovo | |
| 132. Pushkinskiye Gory | |
| 133. Sushchevo | |
| 134. Opochka | |

SUMS OF MEAN DIURNAL TEMPERATURES BELOW -15, -10, -5, 0° AND ABOVE 0, 5, 10 and 15°

TABLE 15

ТАБЛИЦА 15

СУММЫ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР НИЖЕ -15, -10, -5, 0° И ВЫШЕ 0, 5, 10 И 15°

Station

№ станции	Станция	Суммы отрицательных температур ниже (1)			Суммы положительных температур выше (2)			
		-10	-5	0	0	5	10	15

LENINGRADSKAYA OBLAST
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

1	Токари	-596	-1068	-1176	1970	1849	1489	670
2	Лесогорский		-777	-908	2086	1953	1589	746
3	Приозерск		-722	-859	2125	1998	1600	826
4	Вознесенье	-626	-951	-1063	2068	1940	1566	828
5	Мягусово	-584	-1041	-1151	2043	1922	1542	691
6	Ханнила		-799	-946	2089	1969	1581	860
7	Ряттиярви		-746	-895	2100	1974	1584	940
8	Коневец		-618	-771	1983	1841	1397	557
9	Сортавалахти, маяк		-537	-690	2058	1899	1472	815
10	Выборг		-698	-833	2261	2135	1787	1050
11	Лодейное Поле	-405	-972	-1078	2170	2056	1691	978
12	Свирьстрой	-462	-973	-1091	2179	2067	1714	980
13	Винницы	-618	-1075	-1188	1955	1835	1452	597
14	Сосново		-765	-902	2103	1970	1593	813
15	Сосново, старая ст.		-804	-952	2016	1896	1539	663
16	Свирица		-909	-1018	2160	2039	1685	939
17	Валданицы	-411	-973	-1076	2194	2075	1711	1030
18	Мининская	-734	-1125	-1237	2014	1889	1532	726
19	Нижние Никулясы		-692	-859	1999	1882	1437	636
20	Сухо, маяк		-719	-858	2044	1900	1539	904
21	Приморск		-682	-815	2213	2087	1701	958
22	Сосновый Бор		-723	-865	2204	2076	1700	941
23	Гарболово		-797	-929	2053	1925	1542	704
24	Нарвский, остров		-444	-631	2255	2110	1693	1063
25	Роцино		-744	-881	2158	2037	1687	866
26	Маяк, остров		-377	-555	2336	2181	1749	1151
27	Озерки		-689	-824	2214	2085	1691	972
28	Зеленогорск		-756	-879	2157	2029	1652	851
29	Токсово		-800	-930	2126	1999	1621	816
30	Осиновец		-736	-864	2129	1990	1619	913
31	Сестрорецк		-747	-884	2225	2109	1734	1054
32	Кареджи, маяк		-775	-905	2172	2046	1689	1034
33	Новая Ладога		-799	-928	2227	2107	1746	993
34	Левашево		-779	-899	2178	2047	1672	921
35	Гогланд		-332	-530	2296	2140	1715	1077
36	Сескар		-521	-674	2316	2174	1790	1149
37	Гогланд I		-284	-498	2419	2271	1832	1177
38	Мощный		-406	-597	2350	2219	1796	1195
39	Лисий Нос		-713	-851	2262	2136	1790	1039
40	Ленинград, Лесной		-722	-852	2220	2098	1718	939
41	Шепелевский, маяк		-605	-744	2268	2140	1767	1032
42	Кронштадт		-634	-774	2376	2254	1891	1183
43	Ленинград, аэро-порт		-771	-893	2166	2035	1640	866
44	Лебяжье		-645	-788	2251	2129	1738	978
45	Ленинград, ГМО		-632	-776	2367	2245	1866	1159
46	Воейково		-767	-898	2165	2043	1666	880
47	Шугозеро	-466	-975	-1090	2047	1937	1539	740
48	Черная Речка		-750	-872	2184	2043	1671	932
49	Петрокрепость		-741	-868	2193	2064	1680	916
50	Волхов		-804	-926	2199	2078	1691	904
51	Ломоносов, лесной техникум		-664	-799	2188	2065	1657	831
52	Ломоносов		-632	-780	2293	2180	1801	1041

1. Tokari
2. Lesogorskiy
3. Priozersk
4. Voznesen'ye
5. Myatusovo
6. Khannila
7. Ryattiyarvi
8. Konevets
9. Sortanlakhti, beacon
10. Vyborg
11. Lodeynoye Pole
12. Svir'stroy
13. Vinnitsy
14. Sosnovo
15. Sosnovo, old station
16. Sviritsa
17. Valdanitsy
18. Mininskaya
19. Nizhniye Nikulyasy
20. Sukho, beacon
21. Primorsk
22. Sosnovyy Bor
23. Garbolovo
24. Narvskiy, island
25. Roshchino
26. Mayak, island
27. Ozerki
28. Zelenogorsk
29. Toksovo
30. Osinovets
31. Sestroretsk
32. Karedzhi, beacon
33. Novaya Ladoga
34. Levashevo
35. Golgand
36. Seskar
37. Gogland I
38. Moshchnyy
39. Lisiy Nos
40. Leningrad, Lesnoy
41. Shepelevskiy, beacon
42. Kronshtadt
43. Leningrad, airport
44. Lebyazh'ye
45. Leningrad, Hydrometeorological Observatory
46. Voyeykovo
47. Shogozero
48. Chernaya Rechka
49. Petrokrepost'
50. Volkhov
51. Lomonosov, forestry school
52. Lomonosov

KEY: 1- Sums of negative temperatures below;
2- Sums of positive temperatures above

Station

No.

№ станции	Станция Station	Суммы отрицательных температур ниже (1)			Суммы положительных температур выше (2)			
		-10	-5	0	0	5	10	15
53	Невская (г. Ленинград)		-660	-799	2332	2211	1829	1119
54	Петродворец		-648	-792	2285	2158	1789	1084
55	Ленинград, Фарфоровый завод		-725	-852	2290	2169	1801	1088
56	Петродворец, парк		-665	-800	2247	2118	1760	939
57	Стрельна		-683	-822	2277	2162	1811	1050
58	Стрельна, с.х. ст.		-698	-821	2275	2146	1779	1021
59	Приладога		-812	-937	2178	2065	1671	885
60	Большой Тютере		-432	-591	2241	2101	1671	979
61	Ново-Саратовская		-708	-843	2240	2131	1713	973
62	Старое Гарково		-565	-723	2235	2107	1693	927
63	Систо-Палкино		-608	-764	2284	2159	1747	996
64	Пороги на Неве		-727	-851	2244	2124	1728	923
65	Кайболово		-517	-669	2251	2114	1716	965
66	Мга		-771	-904	2199	2084	1690	938
67	Пушкин		-729	-864	2208	2091	1712	915
68	Пушкин, с.х. ст.		-716	-848	2250	2126	1752	989
69	Тихвин, лесная ст.		-865	-978	2126	2004	1629	800
70	Павловск		-746	-878	2183	2062	1677	863
71	Тихвин, Березовик		-875	-986	2200	2069	1712	882
72	Гакково		-539	-699	2240	2112	1704	918
73	Усть-Луга		-583	-730	2264	2143	1752	904
74	Кинь		-788	-929	2131	2011	1609	797
75	Саблино		-751	-881	2193	2072	1671	904
76	Тихвин		-878	-998	2152	2032	1651	845
77	Гатчина		-800	-924	2144	2007	1647	788
78	Ефимовская	-623	-1049	-1169	2025	1902	1546	704
79	Волосово		-787	-919	2107	1988	1585	739
80	Новолятинская		-601	-749	2357	2233	1850	1108
81	Кингисепп		-632	-760	2303	2177	1792	960
82	Белогорка		-784	-906	2182	2061	1672	850
83	Любань		-784	-904	2235	2118	1723	942
84	Вильи Горы		-820	-944	2207	2084	1690	906
85	Будогощь		-825	-943	2243	2126	1732	992
86	Изюмская		-766	-895	2155	2031	1625	780
87	Осьмино		-694	-820	2284	2163	1774	923
88	Толмачево		-723	-836	2343	2217	1845	1070
89	Оредеж		-712	-837	2284	2167	1801	925
90	Луга		-702	-833	2338	2219	1856	1068
91	Замостье Ольгино		-700	-829	2293	2184	1790	952
92	Николаевское		-691	-826	2303	2194	1841	1007

NOVGORODSKAYA OBLASY
НОВГОРОДСКАЯ ОБЛАСТЬ

93	Чудово		-769	-907	2245	2138	1749	956
94	Хвойная	-433	-970	-1086	2185	2063	1734	950
95	Каменка	-412	-981	-1109	2045	1934	1551	682
96	Веребье		-826	-942	2260	2144	1777	987
97	Новгород, болотная ст.		-753	-885	2265	2157	1782	902
98	Хутынь		-732	-860	2381	2268	1931	1159
99	Охоты	-499	-992	-1103	2171	2057	1729	898
100	Новгород		-735	-867	2318	2206	1850	1064
101	Боровичи		-867	-984	2316	2213	1863	1105
102	Войцы		-849	-976	2432	2323	2002	1338
103	Окуловка		-871	-993	2228	2113	1742	952
104	Крестцы		-787	-903	2312	2187	1822	1029
105	Шимск и Шелонь		-695	-815	2431	2312	1994	1189

- | | |
|------------------------------------|-------------------------------|
| 53. Nevskaya (Leningrad) | 89. Oredezh |
| 54. Petrodvorets | 90. Luga |
| 55. Leningrad, porcelain plant | 91. Zamosh'ye Ol'gino |
| 56. Petrodvorets, park | 92. Nikolayevskoye |
| 57. Strel'na | 93. Chudovo |
| 58. Strel'na, agricultural station | 94. Khvoynaya |
| 59. Priladoga | 95. Kamenka |
| 60. Bol'shoy Tyuters | 96. Vereb'ye |
| 61. Novo-Saratovskaya | 97. Novgorod, swamp station |
| 62. Staroye Garkolovo | 98. Khutyn' |
| 63. Sisto-Palkino | 99. Okhony |
| 64. Porogi na Neve | 100. Novgorod |
| 65. Kaybolovo | 101. Borovichy |
| 66. Mga | 102. Voytsy |
| 67. Pushkin | 103. Okulovka |
| 68. Pushkin, agricultural station | 104. Kresttsy |
| 69. Tikhvin, forest station | 105. Shimsk and Shelon' |
| 70. Pavlovsk | KEY: 1- Sums of negative tem- |
| 71. Tikhvin, Berezovik | peratures below |
| 72. Gakkovo | 2- Sums of positive tem- |
| 73. Ust'-Luga | peratures above |
| 74. Kipen' | |
| 75. Sablino | |
| 76. Tikhvin | |
| 77. Gatchina | |
| 78. Yefimovskaya | |
| 79. Volosovo | |
| 80. Novopyatnitskaya | |
| 81. Kingisepp | |
| 82. Belogorka | |
| 83. Lyuban' | |
| 84. Vil'i Gory | |
| 85. Budogoshch' | |
| 86. Nizovskaya | |
| 87. Os'mino | |
| 88. Tolmachevo | |

Station
No.

Станция Station	Суммы отрицательных температур ниже (1)			Суммы положительных температур выше (2)			
	-10	-5	0	0	5	10	15
106 Коростынь	-721	-850	2374	2265	1911	1179	
107 Сольцы на Шелони	-673	-799	2449	2332	1972	1276	
108 Старая Русса	-707	-828	2426	2301	1959	1214	
109 Парфинская лесная школа	-684	-809	2461	2340	1990	1216	
110 Валдай	-887	-1011	2191	2083	1726	875	
111 Семеновщина	-826	-952	2270	2171	1824	960	
112 Велье	-844	-973	2292	2195	1833	1066	
113 Демянск	-689	-812	2418	2307	1940	1200	
114 Молвотицы	-705	-823	2378	2267	1902	1089	
115 Марёво	-668	-806	2377	2268	1896	1074	
116 Холм	-667	-795	2438	2320	1962	1160	

PSKOVSKAYA OBLAST
ПСКОВСКАЯ ОБЛАСТЬ

117 Гдов	-608	-747	2575	2283	1908	1155	
118 Ляды	-692	-813	2264	2137	1742	878	
119 Сосно-Раскопель	-561	-706	2648	2345	1992	1250	
120 Зачеренье	-674	-816	2284	2165	1806	932	
121 Замошье, болотная ст.	-714	-842	2223	2099	1720	783	
122 Струги Красные	-714	-843	2263	2146	1786	917	
123 им. Залита, остров	-604	-754	2496	2384	2068	1342	
124 Дно	-669	-788	2400	2282	1928	1118	
125 Псков	-586	-724	2442	2325	1977	1146	
126 Порхов	-642	-770	2375	2262	1893	1038	
127 Быстрцово	-619	-763	2390	2276	1930	1084	
128 Псков, с.-х. ст.	-607	-742	2379	2275	1912	1047	
129 Дедовичи	-690	-813	2375	2264	1912	1069	
130 Остров	-616	-744	2455	2341	1987	1177	
131 Пыталово	-566	-704	2459	2339	1975	1162	
132 Пушкинские Горы	-627	-759	2445	2333	1994	1149	
133 Сущево	-670	-798	2395	2282	1951	1093	
134 Опочка	-568	-715	2436	2315	1966	1126	
135 Скоково	-712	-838	2308	2219	1842	1010	
136 Базлово	-693	-818	2367	2257	1898	1104	
137 Великие Луки	-685	-804	2423	2315	1958	1128	
138 Идрица	-624	-751	2337	2323	1965	1140	
139 Жигалово	-671	-797	2409	2289	1930	1119	
140 Новохопанск	-650	-764	2440	2321	1977	1114	

106. Korostyn'
107. Sol'tsy na Sheloni
108. Staraya Russa
109. Parfinskaya forestry school
110. Valday
111. Semenovshchina
112. Vel'ye
113. Demyansk
114. Molvotitsy
115. Marevo
116. Kholm
117. Gdov
118. Lyady
119. Sosno-Raskopel'
120. Zacheren'ye
121. Zamosh'ye, swamp station
122. Strugi Krasnyye
123. imeni Zalita, island
124. Dno
125. Pskov
126. Porkhov
127. Bystretsovo
128. Pskov, agricultural station
129. Dedovichl
130. Ostrov
131. Pytalovo
132. Pushkinskiye Gory
133. Sushchevo
134. Opochka
135. Skokovo
136. Bazlovo
137. Velikiye Luki
138. Idritsa
139. Zhigalovo
140. Novokhovansk

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KEY: 1- Sums of temperatures
below
2- Sums of temperatures
above

TABLE 16
DATE OF THE FIRST AND LAST FROSTS AND DURATION OF FROSTLESS PERIOD
ТАБЛИЦА 16
ДАТА ПЕРВОГО И ПОСЛЕДНЕГО ЗАМОРОЗКА И ПРОДОЛЖИТЕЛЬНОСТЬ БЕЗМОРОЗНОГО ПЕРИОДА

ДАТА ПЕРВОГО И ПОСЛЕДНЕГО ЗАМОРОЗКА И ПРОДОЛЖИТЕЛЬНОСТЬ БЕЗМОРОЗНОГО ПЕРИОДА											
(1) № станции	(2) Станция	(3) Дата заморозка						Продолжительность безморозного периода (дни)			Процент лет с длительным безморозным периодом, превышаемым заморозками
		(4) последнего			(5) первого			(9)			
		средняя	самая ранняя	самая поздняя	средняя	самая ранняя	самая поздняя	средняя	наименьшая	наибольшая	
		(6)	(7)	(8)	(6)	(7)	(8)	(6)	(10)	(11)	(12)
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ Leningrad Oblast											
1	Токари	4 VI	30 IV 1948		17 IX		18 X 1950	104		148	
2	Лесогорский	5 VI			17 IX			103			
3	Приозерск	20 V			27 IX			129			
4	Волнесенье	26 V	2 V 1898	11 VI 1955	16 IX	27 VIII 1950	24 X 1950	112	80 1955	139 1950	
5	Мятусово ¹	9 VI			8 IX			90			
8	Копенев	26 V			11 X			137			
9	Сортахити, маяк	29 V			2 X			125			
								152			
10	Выборг	9 V			9 X					148	
11	Лодейное Поле	4 VI			17 IX	25 VIII 1949		104		1948	
12	Свиристрой	1 VI			20 IX			110			
13	Винницы ¹	9 VI			7 IX			89			
14	Сосново	3 VI			23 IX			111			
15	Сосново, старая ст.	26 V			25 IX			121			
16	Свирида	13 V	19 IV 1934	8 VI 1941	29 IX	3 IX 1941	3 XI 1924	138	86 1941	186 1924	
17	Валдаицы ¹	6 VI			5 IX			90			
18	Мининская ¹	7 VI			10 IX			94			
19	Нижние Никулясы	26 V			14 IX			110			
20	Сухо, маяк	18 V			28 X			162		215 1931	
21	Приморск	18 V			9 X			143	87 1958		
22	Сосновый Бор	27 V			26 IX			121			
23	Гарбальцево	24 V			17 IX			115			

KEY: 1- Station number; 2- Station; 3- Date of frost; 4- last;
5- first; 6- mean; 7- earliest; 8- last; 9- Duration of
frostless period (days); 10- shortest; 11- longest;
12- Percentage of years with long frostless period interrupted by frosts.

1. Tokari
2. Lesogorskiy
3. Priozersk
4. Voznesen'ye
5. Myatusovo¹
8. Konevets
9. Sortanlakhti, beacon
10. Vyborg
11. Lodeynoye Pole
12. Svir'stroy
13. Vinnitsy¹
14. Sosnovo
15. Sosnovo, old station
16. Sviritsa
17. Valdanitsy¹
18. Mininskaya
19. Nizhniye Nikulyasy
20. Sukho, beacon
21. Primorsk
22. Sosnovyy Bor
23. Garbolovo

24	Нарский, остров	14 V			1 XI			170		
25	Рощино	21 V			6 X			137		
27	Озерки	17 V			8 X			143		
28	Зеленогорск	23 V			21 IX			120		
29	Токсово	21 V			29 IX			130		
30	Осиновец	17 V	26 IV 1949		29 IX	7 IX 1956	24 X 1950	134	102 1958	166 1953
31	Сестрорецк	15 V	22 IV 1950	10 VI 1941	2 X	11 IX 1926 1936	28 X 1923	139	104 1930	166 1950
32	Кареджи, маяк	10 V			27 X			169		217 1951
33	Новая Ладога	8 V			5 X			149		
34	Левашево	25 V			10 IX			107		
35	Гогланд	6 V	12 IV 1910	24 V 1945	21 X	25 IX 1952	19 XI 1950	167	136 1945	
36	Сескар	13 V			30 X			169		
37	Гогланд I	16 V			22 X			158		
38	Мощный	6 V			4 XI			181		
39	Лисий Нос	10 V	14 IV 1937	10 VI 1941	8 X	16 IX 1952	31 X 1955	150	104 1941	187 1950
40	Ленинград, Лесной	16 V	22 IV 1920 1934	11 VI 1911	25 IX	7 IX 1891 1921	22 X 1895	131	90 1891	161 1924 1934
41	Шепелевский, маяк	16 V			18 X			154		
42	Кронштадт	3 V	13 IV 1910 1937	28 V 1918	20 X	25 IX 1912	21 XI 1934	169	138 1912 1941	215 1934
43	Ленинград, аэропорт	23 V	22 IV 1934	26 VI 1933	14 IX	21 VIII 1949	5 X 1940	113	86 1950	160 1934
44	Лебяжье	12 V	19 IV 1934	2 VI 1941	10 X	9 IX 1956	4 XI 1924	150	113 1941	187 1950
45	Ленинград, ГМО	5 V	9 IV 1921 1937	28 V 1918	9 X	15 IX 1944	17 XI 1917	156	118 1951	190 1916
46	Воейково	22 V			29 IX			129		
47	Шугозеро ¹	8 VI	12 V 1938		5 IX		21 X 1955	88	40 1947	114 1957
48	Черная Речка	19 V	28 IV 1932	8 VI 1925	22 IX	27 VIII 1932	17 X 1924	125	97 1924 1925	152 1934

¹ Заморозки возможны в июле
Frosts possible in July

24. Narvskiy, island

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25. Roshchino

27. Ozerki

28. Zelenogorsk

29. Toksovo

30. Osinovets

31. Sestroretsk

32. Karedzhi, beacon

33. Novaya Ladoga

34. Levashevo

35. Gogland

36. Seskar

37. Gogland I

38. Moshchnyy

39. Lisiy Nos

40. Leningrad, Lesnoy

41. Shepelevskiy, beacon

42. Kronshtadt

43. Leningrad, airport

44. Lebyazh'ye

45. Leningrad Hydrometeorological Observatory

46. Voyeykovo

47. Shugozero¹

48. Chernaya Rechka

(1) № станции	(2) Станция	(3) Дата заморозка						Продолжительность безморозного периода			Процент лет с длительным безморозным периодом, преры- ваемым замороз- ками (12)
		(4) последнего			(5) первого			(9)			
		средняя	самая ранняя	самая поздняя	средняя	самая ранняя	самая поздняя	средняя	наи- мень- шая	наи- большая	
		(6)	(7)	(8)	(6)	(7)	(8)	(6)	(10)	(11)	
49	Петрокрепость	18 V			22 IX			126			
50	Волхов	20 V	30 IV 1924 1934 1948	15 VI 1942	23 IX		24 X 1950	125	77 1942	172 1924	
51	Ломоносов, лесной техникум	17 V			27 IX			132			
52	Ломоносов	2 V			16 X			166			
53	Невская (г. Ленинград)	29 IV			16 X			169			
54	Петродворец	9 V			9 X			152			
55	Ленинград, Фарфоровый завод	21 V			17 IX			118			
56	Петродворец, парк	19 V			21 IX			124			
57	Стрельна	9 V			13 X			146			
58	Стрельна, с.х.ст.	15 V			26 IX			133			
59	Приладога	16 V	22 IV 1934	11 VI 1926	17 IX		20 X 1924	123	96 1925 1926	172 1924	
60	Большой Тютерс	15 V			23 X			160			
61	Ново-Саратовская	21 V			29 IX			130			
62	Старое Гарьково	20 V	15 IV 1934	10 VI 1941	1 X	28 VIII 1924	21 XI 1934	133	95 1958	219 1934	
65	Кайболово	10 V			21 X			163			
66	Мга	2 VI			15 IX			105			
67	Пушкин	12 V	16 IV 1950	7 VI 1925	28 IX	6 IX 1956	24 X 1924 1944	138	108 1930	187 1950	
68	Пушкин, с.х.ст.	13 V	22 IV 1934	7 VI 1925	23 IX		4 XI 1924	132	105 1925	185 1924	
69	Тихвин, лесная стан- ция	31 V			15 IX			106			

KEY: 1- Station number; 2- Station; 3- Date of frost; 4- last;
5- first; 6- mean; 7- earliest; 8- last; 9- Duration of frostless
period; 10- shortest; 11- longest; 12- Percentage of years with
long frostless period interrupted by frosts

- 49. Petrokrepost'
- 50. Volkhov
- 51. Lomonosov, forestry school
- 52. Lomonosov
- 53. Nevskaya (Leningrad)
- 54. Petrodvorets
- 55. Leningrad, porcelain plant
- 56. Petrodvorets, park
- 57. Strel'na
- 58. Strel'na, agricultural station
- 59. Priladoga
- 60. Bol'shoy Tyuters
- 61. Novo-Saratovskaya
- 62. Staroye Garkolovo
- 65. Kaybolovo
- 66. Mga
- 67. Pushkin
- 68. Pushkin, agricultural station
- 69. Tikhvin, timber station¹

70	Пакловск	24 V	22 IV 1934	17 VI 1893	21 IX	26 VIII 1910	17 X 1924	119	35 1893	161 1924	
71	Тихвин, Березовик ¹	31 V			12 IX			103			
72	Гляково	15 V			7 X			144			
73	Усть-Луга	19 V		10 VI 1941	28 IX	28 VIII 1924	21 XI 1934	131	100 1956	205 1934	
74	Килень	25 V			25 IX			122			
75	Саблино ¹	25 V	30 IV 1948		19 IX		20 X 1950	116	91 1947	155 1950	7
76	Тихвин ¹	27 V	29 IV 1948		14 IX		20 X 1955	109		149 1955	4
77	Гатчина	1 VI			15 IX			105			
78	Ефимовская ¹	1 VI			8 IX			98			5
79	Волово	26 V			21 IX			117			
80	Новопятницкая	19 V			25 IX			128			
81	Кингисепп	21 V	20 IV 1939	13 VI 1927	25 IX		5 XI 1934	126	96 1945	189 1934	
82	Белогорка	18 V	19 IV 1934	10 VI 1941	22 IX	26 VIII 1950	18 X 1955	126	101 1950	164 1934	
83	Любань	23 V	30 IV 1948	10 VI 1941	19 IX	4 IX 1947	18 X 1950 1955	118	95 1947	158 1955	
84	Вильи Горы	28 V			14 IX			108			
85	Будогощь	28 V	3 V 1948	17 VI 1934	17 IX	29 VIII 1933	20 X 1955	111	82 1958	145 1948	
86	Низовская ¹	1 VI			8 IX			98			
87	Осьмино	23 V			22 IX			121			
88	Толмачево	24 V			17 IX			115			
89	Оредеж	25 V			14 IX			111			
90	Луга	15 V			30 IX			137			
91	Замостье Ольгино	21 V			25 IX			126			
92	Николаевское	14 V	12 IV 1937	10 VI 1941	26 IX	30 VIII 1893	21 X 1950	134	99 1893	182 1937	
NOVGORODSKAYA OBLAST' НОВГОРОДСКАЯ ОБЛАСТЬ											
93	Чудово	25 V			17 IX			114			
94	Хвойная	21 V			15 IX			116			
95	Каменка	27 V	28 IV 1948	11 VI 1941	14 IX		20 X 1955	109	89 1941	148 1955	
96	Веребье	24 V	22 IV 1934	17 VI 1958	19 IX	26 VIII 1950	20 X 1924	117	81 1958	173 1924	

¹ Заморозки возможны в июле.

70. Pavlovsk
71. Tikhvin, Berezovik¹
72. Gakkovo
73. Ust'-Luga
74. Kipen'
75. Sablino¹
76. Tikhvin¹
77. Gatchina
78. Yefimovskaya¹
79. Volosovo
80. Novopyatnitskaya
81. Kingisepp
82. Belogorka
83. Lyuban'
84. Vil'i Gory
85. Budogoshch¹
86. Nizovskaya¹
87. Os'mino
88. Tolmachevo
89. Oredezh
90. Luga
91. Zamosh'ye Ol'gino
92. Nikolayevskoye
93. Chudovo
94. Khvoynaya
95. Kamenka
96. Vereb'ye

¹ Frosts possible in July

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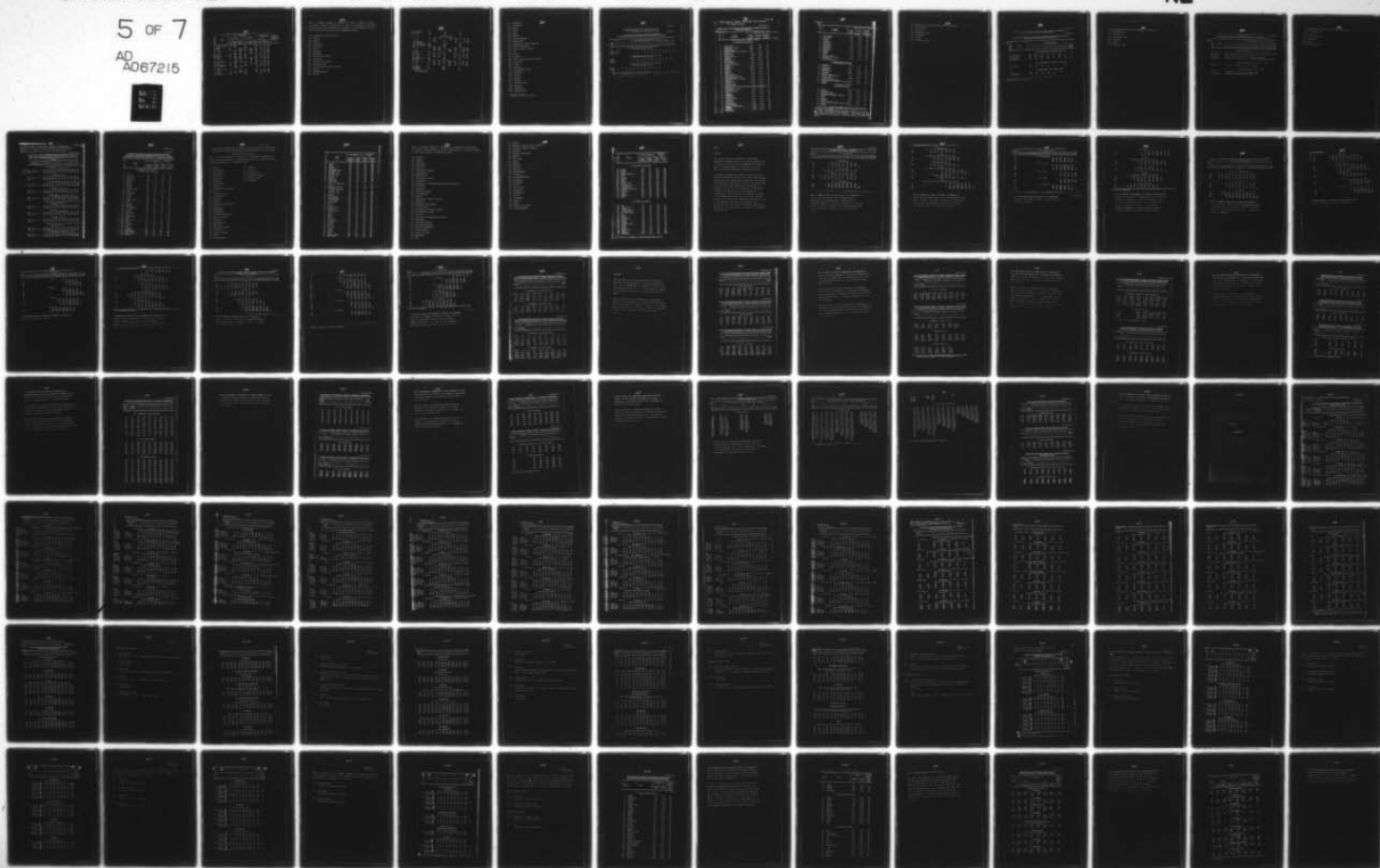
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(1) № станции	Станция (2)	(3) Дата заморозка						Продолжительность безморозного периода (дни)			Процент лет с длительным безморозным периодом, преры- ваемым заморо- ками (12)
		(4) последнего			(5) первого			(9)			
		средняя	самая ранняя	самая поздняя	средняя	самая ранняя	самая поздняя	средняя	наи- мень- шая	наи- большая	
		(6)	(7)	(8)	(6)	(7)	(8)	(6)	(10)	(11)	
97	Новгород, болотная ст. I	1 VI	23 IV 1922		4 IX		23 IX 1928	94	71 1916	134 1922	4
98	Хуцынь	4 V			29 IX			147			
99	Охонь	23 V		17 VI 1958	15 IX	27 VIII 1950	20 X 1955	108	77 1958	149 1955	
100	Новгород	17 V	18 IV 1957	13 VI 1926	22 IX	26 VIII 1950	11 X 1901	127	92 1923	164 1932	
101	Боровичи	17 V	19 IV 1943	17 VI 1893	20 IX	15 VIII 1893	21 X 1955	125	58 1893	161 1948	
102	Войцы	24 IV			11 X			169			
103	Окуловка	17 V	22 IV 1934	10 VI 1941	20 IX		21 X 1955	125	88 1939	161 1948	
104	Крестцы	19 V	27 IV 1948	10 VI 1941	19 IX	26 VIII 1949	21 X 1955	122	62 1950	154 1957	
105	Шимск и Шелонь	8 V	19 IV 1934	5 VI 1930	29 IX		21 X 1924	143	104 1921	174 1924	
106	Коростынь	8 V	9 IV 1950		26 IX	15 IX 1944	21 X 1955	140	119 1952	190 1950	
107	Сольцы на Шелони . . .	9 V			26 IX			139			
108	Старая Русса	11 V	13 IV 1936, 1937	8 VI 1954	26 IX		21 X 1955	137	105 1947	175 1937	
109	Парфинская лесная школа	11 V		13 VI 1926	25 IX		17 X 1924	136	89 1926	169 1924	
110	Валдай	17 V	22 IV 1934	10 VI 1941	23 IX		21 X 1955	128	91 1939	162 1948	
111	Семеновщина	14 V			26 IX			134			
112	Велье	17 V			23 IX			128			

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KEY: 1- Station number; 2- Station; 3- Date of frost; 4- last;
5- first; 6- mean; 7- earliest; 8- last; 9- Duration of frostless
period (days); 10-shortest; 11- longest; 12- Percentage of years
with long frostless period interrupted by frosts

- 97. Novgorod, swamp station¹
- 98. Khutyn'
- 99. Okhony
- 100. Novgorod
- 101. Borovichi
- 102. Voytsy
- 103. Okulovka
- 104. Kresttsy
- 105. Shimsk and Shelon'
- 106. Korostyn'
- 107. Sol'tsy na Sheloni
- 108. Staraya Russa
- 109. Parfinskaya forestry school
- 110. Valday
- 111. Semenovshchina
- 112. Vel'ye

113	Демьянск	11 V			22 IX		135		
114	Молотчанск	17 V			26 IX		131		
115	Марево	12 V			1 X		141		
116	Холм	14 V			23 IX		131		
ПСКОВСКАЯ ОБЛАСТЬ									
117	Гдов	10 V	10 IV 1921	8 VI 1928	5 X	15 IX 1944, 1953	21 XI 1934	147	110 219 1928 1934
118	Ляды ¹	25 V	30 IV 1948		17 IX		18 X 1955	114	41 133 1947 1950
119	Сосно-Раскопель	4 V			8 X			156	
120	Зачеренье	22 V			22 IX			122	
121	Замостье, болотная ст.	28 V			10 IX			104	
122	Струги Красные ¹	23 V			20 IX			119	
123	им. Залита, остров	24 IV			27 X			179	
124	Дно	11 V	13 IV 1937	8 VI 1954	27 IX		24 X 1950	138	108 176 1954 1937
125	Псков	8 V	12 IV 1910	8 VI 1941	2 X	10 IX 1936, 1959	31 X 1955	146	109 194 1930 1897
126	Порхов	15 V			25 IX			132	
128	Псков, с.-к. ст.	16 V	29 IV 1925	8 VI 1941	26 IX		19 X 1934	132	104 168 1925 1924
129	Дедовичи	12 V			25 IX			135	
130	Остров	12 V	13 IV 1937	6 VI 1931	1 X		24 X 1935	141	99 186 1939 1934
131	Пыталово	14 V			29 IX			137	
132	Пушкинские Горы	4 V			5 X			153	
133	Суцеево	10 V			27 IX			139	
134	Опочка	15 V	27 IV 1948	17 VI 1934	21 IX	26 VIII 1950	20 X 1955	128	79 155 1958 1953
135	Скоково	9 V			29 IX			142	
136	Баззово	10 V	10 IV 1921	13 VI 1926	4 X	13 IX 1935 1939	31 X 1909	146	108 186 1926 1934
137	Великие Луки	13 V			21 IX			130	
138	Итрица	15 V			23 IX			130	
139	Жигалово	7 V			24 IX			139	
140	Новохованск	3 V			25 IX			144	

¹ Заморозки возможны в июле.

113. Demyansk
114. Molvotitsy
115. Marevo
116. Kholm
117. Gdov
118. Lyady¹
119. Sosno-Raskopel'
120. Zacheren'ye
121. Zamosh'ye, swamp station¹
122. Strugi Krasnyye¹
123. imeni Zalita, island
124. Dno
125. Pskov
126. Porkhov
128. Pskov, agricultural station
129. Dedovichy
130. Ostrov
131. Pytalovo
132. Pushkinskiye Gory
133. Sushchevo
134. OPOCHKA
135. Skokovo
136. Bazlovo
137. Velikiye Luki
138. Idritsa
139. Zhigalovo
140. Novokhovansk

¹ Frosts possible in July

TABLE 17

PROBABILITY OF YEARS WITH FROSTS OF VARIOUS
INTENSITY DEPENDING ON THE MEAN MINIMUM AIR
TEMPERATURE FOR A 10-DAY PERIOD (%)

ТАБЛИЦА 17

ВЕРОЯТНОСТЬ ЛЕТ С ЗАМОРОЗКАМИ РАЗЛИЧНОЙ ИНТЕНСИВНОСТИ
В ЗАВИСИМОСТИ ОТ СРЕДНЕЙ МИНИМАЛЬНОЙ ТЕМПЕРАТУРЫ ВОЗДУХА ЗА ДЕКАДУ (%)

Сезон Season	Средняя минимальная температура воздуха за декаду Mean minimum air temperature for 10-day period															
	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Frosts on surface of soil and herbage Заморозки на поверхности почвы и травостоя																
(1) Весна Spring						×	×	×	×	88	78	67	51	35	17	•
(2) Осень Fall						×	×	×	×	82	73	60	43	26	12	•
Light frosts in the air (0° and below) Слабые заморозки в воздухе (0° и ниже)																
(1) Весна				×	×	×	×	84	76	65	52	37	22	9		•
(2) Осень				×	×	×	88	83	75	62	46	30	19	10		•
Heavy frosts in the air (-3° and below) Сильные заморозки в воздухе (-3° и ниже)																
(1) Весна	×	×	88	81	72	62	51	40	27	16	7	•				
(2) Осень	×	×	89	82	76	65	56	44	33	22	14	•				

Примечание. x — вероятность лет более 90%. • — вероятность лет менее 5%.

Note. x - probability of years more than 90%. • - probability of years less than 5%.

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MEAN DATES OF ONSET, CESSATION, AND DURATION
OF STEADY FROSTS

ТАБЛИЦА 18

СРЕДНИЕ ДАТЫ НАСТУПЛЕНИЯ, ПРЕКРАЩЕНИЯ И ПРОДОЛЖИТЕЛЬНОСТЬ
УСТОЙЧИВЫХ МОРОЗОВ

Station No.

№ станции	Станция Station	Устойчивый мороз Steady frost		
		наступ- ление	прекраще- ние	продолжи- тельность (дни)
		onset	cessa- tion	duration (days)
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ				
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ				
11	Лодейное Поле	29 XI	12 III	104
12	Лодейное Поле Свирьстрой	28 XI	18 III	111
15	Сосново-старая ст. Soshnovaya, old station	30 XI	16 III	107
16	Свирьца* Sviritsa*	4 XII	16 III	103
22	Сосновый Бор	6 XII	14 III	99
23	Сосновы Бор Garbolovo	3 XII	15 III	103
31	Гарболово	8 XII	16 III	99
33	Сестрорецк	3 XII	12 III	100
34	Новая Ладога* Novaya Ladoga*	5 XII	15 III	101
35	Левашево	30 XII	8 III	69
36	Левашево Gogland	21 XII	12 III	82
39	Сейкар	8 XII	15 III	98
40	Сейкар Лисий Нос	6 XII	11 III	96
41	Лисий Нос	14 XII	8 III	85
42	Ленинград, Лесной Leningrad, Lesnoy	11 XII	10 III	90
44	Шепелевский, маяк Shepelevskiy, beacon	12 XII	12 III	91
45	Кронштадт	7 XII	10 III	94
48	Кронштадт Lebyazh'ye* Ленинград, ГМО* Leningrad, Hydrometeorological Observatory*	5 XII	13 III	99
49	Черная Речка	5 XII	10 III	96
50	Петрокрепость	3 XII	14 III	102
52	Петрокрепость Волхов	8 XII	9 III	92
54	Волхов	10 XII	10 III	91
57	Петродворец	7 XII	12 III	96
59	Стрельна* Strel'na*	2 XII	15 III	104
62	Приладога*	14 XII	8 III	85
67	Приладога* Старое Гарколово	5 XII	10 III	96
70	Старое Гарколово Pavlovsk*	7 XII	3 III	87

Station
No.

Станция No.	Станция Station	Устойчивый мороз Steady frost		
		наступ- ление Onset	прекраще- ние Cessa- tion	продолжи- тельность (дни) Duration (days)
73	Усть-Луга* Ust'-Luga*	13 XII	12 III	90
76	Тихвин Tikhvin	29 XI	10 III	102
77	Гатчина Gatchina	5 XII	13 III	99
81	Кингисепп* Kingisepp*	7 XII	9 III	93
82	Белогорка Belogorka	4 XII	13 III	100
85	Будогощь Bydogoshch	2 XII	8 III	97
89	Оредеж Oredezh	6 XII	9 III	94
90	Луга* Luga*	5 XII	8 III	94
91	Замошье Ольгино Zamosh'ye Ol'gino	5 XII	6 III	92
92	Николаевское* Nikolayevskoye*	5 XII	3 III	89
НОВГОРОДСКАЯ ОБЛАСТЬ NOVGORODSKAYA OBLAST				
96	Веребье* Vereb'ye*	2 XII	7 III	96
100	Новгород* Novgorod*	10 XII	10 III	91
101	Боровичи* Borovich'i*	30 XI	12 III	163
103	Окуловка Okulovka	29 XI	14 III	106
105	Шимск и Шелонь Shimsk and Shelon'	7 XII	8 III	92
108	Старая Русса Staraya Russa	10 XII	6 III	87
109	Парфинская лесная школа* Parfinskaya forestry school	8 XII	25 II	80
110	Валдай Valday	27 XI	14 III	108
ПСКОВСКАЯ ОБЛАСТЬ PSKOVSKAYA OBLAST				
117	Гдов Gdov	10 XII	8 III	89
120	Зачеренье* Zacheren'ye*	5 XII	7 III	93
121	Замошье, болотная ст. Zamosh'ye, swamp station	6 XII	9 III	94
124	Дно* Dno*	7 XII	7 III	91
126	Порхов Porkhov	9 XII	8 III	90
128	Псков с.-х. ст.* Pskov agricultural station	12 XII	8 III	87
130	Остров Ostrov	11 XII	8 III	88

Примечание. Звездочкой (*) отмечены станции, для которых данные полу-
чены подсчетом. Для остальных станций данные получены косвенным путем. Возмож-
ная ошибка ± 3 дня (не более).

Note. The asterisk (*) denotes stations for which
data were obtained by calculation. For other stations
data obtained indirectly. Possible error ± 3 days (no
more).

- 45. Leningrad, Hydrometeorological Observatory
- 49. Petrokrepost'
- 52. Lomonosov
- 92. Nikolayevskoye
- 100. Novgorod
- 125. Pskov
- 137. Velikiye Luki

TABLE 19a

RECURRENCE OF PERIODS WITH THAWING OF VARIOUS CONTINUOUS DURATION (%)
AND THEIR MEAN CONTINUOUS DURATION (DAYS)

ТАБЛИЦА 19a

ПОВТОРЯЕМОСТЬ ПЕРИОДОВ С ОТПЕЛЁЮ РАЗЛИЧНОЙ НЕПРЕРЫВНОЙ ПРОДОЛЖИТЕЛЬНОСТИ (%)
И ИХ СРЕДНЯЯ НЕПРЕРЫВНАЯ ПРОДОЛЖИТЕЛЬНОСТЬ (ДНИ)

Station No.	Станция Station	Продолжительность (дни) Duration (days)							Средняя Mean
№ станции		1—2	3—5	6—10	11—20	21—30	31—40	41—50	
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ LENINGRADSKAYA OBLAST									
45	Ленинград, ГМО	45.8	29.8	13.8	9.3	0.9	0.4		4
49	Петрокрепость	47.4	27.3	17.0	6.3	1.2	0.8		4
52	Доманосов	42.5	29.7	17.2	8.5	1.7	0.2	0.2	5
92	Николаевское	47.7	27.2	15.2	8.5	0.5	0.5	0.4	4
НОВГОРОДСКАЯ ОБЛАСТЬ NOVGORODSKAYA OBLAST									
100	Новгород	47.9	27.7	14.1	9.2	0.9		0.2	4
ПСКОВСКАЯ ОБЛАСТЬ PSKOVSKAYA OBLAST									
125	Псков	42.6	29.2	17.0	9.1	1.8	0.3		5
137	Великие Луки	46.4	27.7	17.3	7.7	0.9			4

- 45. Leningrad, Hydrometeorological Observatory
- 49. Petrokrepost'
- 52. Lomonosov
- 92. Nikolayevskoye
- 100. Novgorod
- 125. Pskov
- 137. Velikiye Luki

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RECURRENT OF NUMBER OF DAYS WITH DIFFERENT MAXIMUM TEMPERATURES
DURING THAWS (%) ТАБЛИЦА 196
ПОВТОРЯЕМОСТЬ ЧИСЛА ДНЕЙ С РАЗЛИЧНОЙ МАКСИМАЛЬНОЙ ТЕМПЕРАТУРОЙ ПРИ ОТЕПЕЛЯХ (%)

Station No.	Станция Station	Максимальная температура Maximum temperature																					
№ станции		0.1-0.9	1.0-1.9	2.0-2.9	3.0-3.9	4.0-4.9	5.0-5.9	6.0-6.9	7.0-7.9	8.0-8.9	9.0-9.9	10.0-10.9	11.0-11.9	12.0-12.9	13.0-13.9	14.0-14.9	15.0-15.9	16.0-16.9	17.0-17.9	18.0-18.9	19.0-19.9	20.0-20.9	
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ Leningradskaya Oblast																							
54	Ленинград, ГМО	19.8	28.3	19.9	13.2	6.7	4.7	3.1	1.6	0.8	0.8	0.3	0.2	0.1	0.1	0.05	0.1	0.05	0.02	0.1	0.05	0.05	
49	Петрокрепость	24.8	27.3	17.5	11.3	6.9	3.7	3.6	2.0	1.4	0.6	0.2	0.3		0.2		0.1	0.1					
52	Домоново	17.7	26.0	19.7	12.9	8.8	5.8	3.6	2.7	1.3	0.8	0.4	0.1	0.04	0.04	0.04	0.04						
92	Николаевское	25.5	24.6	16.4	11.7	7.7	4.6	3.0	2.3	1.7	1.0	0.4	0.3	0.2	0.04	0.04	0.3	0.04	0.04	0.1	0.04		
НОВГОРОДСКАЯ ОБЛАСТЬ Novgorodskaya Oblast																							
100	Новгород	24.7	27.8	17.0	11.2	7.3	4.2	3.0	2.2	1.4	0.7	0.3	0.2	0.05									
ПСКОВСКАЯ ОБЛАСТЬ Pskovskaya Oblast																							
125	Псков	19.8	27.2	21.2	10.9	7.7	3.8	4.1	2.2	1.2	1.0	0.6	0.3	0.05									
137	Великие Луки	21.2	33.5	21.5	9.8	5.3	3.4	2.1	1.3	0.4	0.8	0.6		0.1									

- 54. Leningrad, Hydrometeorological Observatory
- 49. Petrokrepost'
- 52. Lomonosov
- 92. Nikolayevskoye
- 100. Novgorod
- 125. Pskov
- 137. Velikiye Luki

AVERAGE NUMBER OF DAYS WITH NEGATIVE TEMPERATURE
DURING ALL HOURS OF THE DAY (MAX < 0) WITH TEMPERATURE
CROSSING 0° (MAX > 0), MIN (< 0) AND WITH POSITIVE
TEMPERATURE DURING ALL HOURS OF DAY (MIN > 0)

ТАБЛИЦА 20

СРЕДНЕЕ ЧИСЛО ДНЕЙ С ОТРИЦАТЕЛЬНОЙ ТЕМПЕРАТУРОЙ ВО ВСЕ ЧАСЫ
СУТОК (МАКС. < 0), С ПЕРЕХОДОМ ТЕМПЕРАТУРЫ ЧЕРЕЗ 0° (МАКС. > 0,
МИН. < 0) И С ПОЛОЖИТЕЛЬНОЙ ТЕМПЕРАТУРОЙ ВО ВСЕ ЧАСЫ СУТОК
(МИН. > 0)

Температура Temperature	VII	VIII	IX	X	XI	XII	I	II	III	IV	V	VI
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ЛЕНИНГРАДСКАЯ ОБЛАСТЬ Leningradskaya Obl.

4. Вознесенье Voznesen'ye

Max	Макс. < 0	min	0.0	0.0	0.0	1.7	11.4	20.7	25.5	24.1	17.5	2.8	0.1	0.0
Max	Макс. > 0, мин. < 0		0.0	0.1	3.0	11.0	11.0	8.1	4.9	3.7	11.9	16.9	7.8	0.7
Min	Мин. > 0		31.0	30.9	27.0	18.3	7.6	2.2	0.6	0.2	1.6	10.3	23.1	29.3

16. Свирица Sviritsa

Макс. < 0	0.0	0.0	0.0	1.1	10.4	18.7	23.9	23.3	16.7	2.3	0.03	0.0
Макс. > 0, мин. < 0	0.0	0.0	1.6	10.8	11.7	9.9	6.4	4.3	12.7	16.7	4.8	0.2
Мин. > 0	31.0	31.0	28.4	19.1	7.9	2.4	0.7	0.4	1.6	11.0	26.2	29.8

45. Ленинград, ГМО Leningrad Hydromet. Ob.

Макс. < 0	0.0	0.0	0.0	1.3	9.5	19.0	23.3	21.7	15.0	1.7	0.01	0.0
Макс. > 0, мин. < 0	0.0	0.0	0.4	7.1	9.7	8.4	6.4	5.3	13.1	13.6	2.8	0.01
Мин. > 0	31.0	31.0	29.6	22.6	10.8	3.6	1.3	1.0	2.9	14.7	28.2	30.0

70. Павловск Pavlovsk

Макс. < 0	0.0	0.0	0.0	1.7	10.7	20.8	23.5	21.2	13.0	1.1	0.02	0.0
Макс. > 0, мин. < 0	0.02	0.06	2.2	11.2	10.7	7.5	6.2	6.0	15.5	18.7	7.4	0.5
Мин. > 0	31.0	30.9	27.8	18.1	8.6	2.7	1.3	0.8	2.5	10.2	23.6	29.5

92. Николаевское Nikolayevskoye

Макс. < 0	0.0	0.0	0.0	1.8	10.6	20.1	23.4	21.6	14.3	1.2	0.02	0.0
Макс. > 0, мин. < 0	0.0	0.01	1.6	9.9	11.2	8.2	6.9	5.5	14.4	14.7	4.4	0.2
Мин. > 0	31.0	31.0	28.4	19.3	8.2	2.7	0.7	0.9	2.3	13.1	26.6	29.8

НОВГОРОДСКАЯ ОБЛАСТЬ NOVGORODSKAYA OBL.

96. Веребье Vereb'ye

Макс. < 0	0.0	0.0	0.0	1.9	11.5	20.8	24.5	23.1	13.9	1.2	0.03	0.0
Макс. > 0, мин. < 0	0.0	0.03	2.7	10.4	10.9	8.4	5.8	4.1	14.6	15.1	6.3	0.5
Мин. > 0	31.0	31.0	27.3	18.7	7.6	1.8	0.7	0.8	2.5	13.7	24.7	29.5

100. Новгород Novgorod

Макс. < 0	0.0	0.0	0.0	1.5	9.7	19.5	22.8	22.1	15.5	1.5	0.0	0.0
Макс. > 0, мин. < 0	0.0	0.02	2.6	11.1	11.1	8.3	7.2	4.6	12.5	14.8	4.7	0.3
Мин. > 0	31.0	31.0	27.4	18.4	9.2	3.2	1.0	1.3	3.0	13.7	26.3	29.7

110. Валдай Valday

Макс. < 0	0.0	0.0	0.0	2.1	13.1	22.5	26.3	24.1	16.7	2.3	0.0	0.0
Макс. > 0, мин. < 0	0.0	0.0	2.3	10.1	9.8	6.7	4.2	3.4	12.4	15.4	4.4	0.2
Мин. > 0	31.0	31.0	27.7	18.8	7.1	1.8	0.5	0.5	1.9	12.3	26.6	29.8

ПСКОВСКАЯ ОБЛАСТЬ PSKOVSKAYA OBLAST

125. Псков Pskov

Макс. < 0	0.0	0.0	0.0	0.8	7.8	16.7	21.8	19.5	13.0	1.0	0.0	0.0
Макс. > 0, мин. < 0	0.0	0.0	1.3	7.5	11.1	9.1	7.7	7.1	14.9	13.6	2.7	0.1
Мин. > 0	31.0	31.0	28.7	22.7	11.1	5.2	1.5	1.4	3.1	15.4	28.3	29.9

137. Великие Луки Velikiye Luki

Макс. < 0	0.0	0.0	0.0	0.8	9.3	16.7	22.2	19.4	12.2	1.2	0.0	0.0
Макс. > 0, мин. < 0	0.0	0.0	3.1	8.5	10.3	9.7	7.1	6.5	16.2	13.5	3.4	0.1
Мин. > 0	31.0	31.0	26.9	21.7	10.4	4.6	1.7	2.1	2.6	15.3	27.6	29.9

TABLE 21

ТАБЛИЦА 21

РАСЧЕТНАЯ ТЕМПЕРАТУРА САМОЙ ХОЛОДНОЙ ПЯТИДНЕВКИ,
РАСЧЕТНАЯ ЗИМНЯЯ ВЕНТИЛЯЦИОННАЯ ТЕМПЕРАТУРА, СРЕДНЯЯ
ТЕМПЕРАТУРА ОТОПИТЕЛЬНОГО ПЕРИОДА И ЕГО ПРОДОЛЖИТЕЛЬНОСТЬ

(1) СТАНЦИИ №	Станции (2)	Расчетная температура (3)		Отопительный период (6)	
		самой холодной пятидневки (4)	зимняя вентиля- ционная (5)	средняя темпе- ратура (7)	продолжи- тельность (сутки) (8)

LENINGRADSKAYA OBLAST
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

1	Токари	-30	-15	-3.6	240
2	Лесогорский	-25	-13	-2.5	233
3	Приозерск	-24	-13	-2.3	231
4	Вознесенье	-30*	-14	-3.1	236
5	Мягусово	-30	-15	-3.6	234
6	Хансила	-25	-14	-2.7	234
7	Ряттярви	-24	-13	-2.4	235
8	Коневец	-24	-12	-1.7	239
9	Сортанлахти, маяк	-23	-11	-1.2	239
10	Выборг	-24	-12*	-2.3	227
11	Лодейное Поле	-29	-14	-3.4	230
12	Свирьстрой	-29	-15	-3.4	230
13	Виишцы	-30	-15	-3.6	240
14	Сосново	-25	-13	-2.5	232
15	Сосново, старая ст.	-25	-13	-2.7	235
16	Свирица	-30*	-14*	-3.1	230
17	Валданицы	-29	-15	-3.3	230
18	Мининская	-30	-16	-3.9	237
19	Нижние Никулясы	-24	-12	-2.2	236
20	Сухо, маяк	-24	-13	-2.1	240
21	Приморск	-24	-13	-2.1	228
22	Сосновый Бор	-24	-13	-2.4	227
23	Гарболово	-25	-13	-2.5	235
24	Нарвский, остров	-23	-11	-1.1	230
25	Рощино	-24	-13	-2.6	227
26	Маяк, остров	-22	-11	-0.8	226
27	Озерки	-24	-13	-2.1	229
28	Зеленогорск	-24	-13	-2.4	230
29	Токсово	-25	-13	-2.6	232
30	Осиновец	-24	-13	-2.2	234
31	Сестрорецк	-24	-13	-2.5	228
32	Карелжи, маяк	-25	-13	-2.5	233
33	Новая Ладога	-28	-13	-2.7	227
34	Левашево	-24	-13	-2.5	230

CALCULATED TEMPERATURE OF COLDEST FIVE-DAY PERIOD, CALCULATED
WINTER VENTILATION TEMPERATURE, MEAN TEMPERATURE OF THE THAW

PERIOD AND ITS DURATION

KEY: 1- Station number; 2- Station; 3- Calculated temperature;
4- coldest 5-day period; 5- winter ventilation; 6- Heating period;
7- mean temperature; 8- duration (days)

- | | |
|--------------------------|----------------------|
| 1. Tokari | 29. Toksovo |
| 2. Lesogorskiy | 30. Osinovets |
| 3. Priozersk | 31. Sestroretsk |
| 4. Vosnesen'ye | 32. Karedzhi, beacon |
| 5. Myatusovo | 33. Novaya Ladoga |
| 6. Khannila | 34. Levashevo |
| 7. Ryattiyarvi | |
| 8. Konevets | |
| 9. Sortanlakhti, beacon | |
| 10. Vyborg | |
| 11. Lodeynoye Pole | |
| 12. Svir'stroy | |
| 13. Vinnitsy | |
| 14. Sosnovo | |
| 15. Sosnovo, old station | |
| 16. Sviritsa | |
| 17. Valdanitsy | |
| 18. Mininskaya | |
| 19. Nizhniye Nikulyasy | |
| 20. Sukho, beacon | |
| 21. Primorsk | |
| 22. Sosnovyy Bor | |
| 23. Garbolovo | |
| 24. Narvskiy, island | |
| 25. Roshchino | |
| 26. Mayak, island | |
| 27. Ozerki | |
| 28. Zelenogorsk | |

(1) № станции	Станция (2)	Расчетная температура (3)		Отопительный период (6)	
		самой холодной пятидневки (4)	зимняя вентиля- ционная (5)	средняя темпе- ратура (7)	продолжи- тельность (сутки) (8)
35	Гогланд	-22	-10	-0.7	226
36	Сескар	-23	-12	-1.4	226
37	Гогланд I	-22	-10	-0.5	221
38	Мощный	-22	-11	-1.1	224
39	Лисий Нос	-24	-13	-2.4	226
40	Ленинград, Лесной	-24	-12	-2.3	228
41	Шепелевский, маяк	-23	-12	-1.8	226
42	Кронштадт	-24	-12	-2.1	220
43	Ленинград, аэропорт	-25	-13	-2.4	231
44	Лебяжье	-24	-12	-2.1	224
45	Ленинград, ГМО	-25	-11	-2.2	219
46	Воейково	-24	-13	-2.6	228
47	Шугозеро	-29	-15	-3.3	234
48	Черная Речка	-24	-13	-2.4	230
49	Петрокрепость	-24	-13	-2.4	228
50	Волхов	-28	-13	-2.7	227
51	Ломоносов, лесной техни- кум	-24	-12	-2.1	227
52	Ломоносов	-24	-12	-2.1	222
53	Невская (г. Ленинград)	-24	-12	-2.2	222
54	Петродворец	-24	-12	-2.0	227
55	Ленинград, Фарфоровый завод	-24	-13	-2.4	223
56	Петродворец, парк	-24	-12	-2.2	224
57	Стрельна	-24	-12	-2.4	222
58	Стрельна, с.-х. ст.	-24	-12	-2.2	224
59	Приладога	-28	-13	-2.7	228
60	Большой Тютерс	-22	-11	-1.0	227
61	Ново-Саратовская	-24	-13	-2.1	223
62	Старое Гарколово	-23	-12	-1.7	225
63	Систо-Палкино	-24	-12	-1.9	222
64	Пороги на Неве	-27	-12	-2.4	224
65	Кайболово	-23	-11	-1.5	224
66	Мга	-28	-13	-2.6	226
67	Пушкин	-27	-13	-2.5	225
68	Пушкин, с.-х. ст.	-27	-12	-2.4	224
69	Тихвин, лесная ст.	-28	-14	-3.0	230
70	Павловск	-27	-13	-2.5	227
71	Тихвин, Березовик	-28	-14	-3.0	227
72	Гакково	-24	-12	-1.7	224
73	Усть-Луга	-23	-12	-1.8	221
74	Кипень	-28	-13	-2.6	230
75	Саблино	-27	-13	-2.4	227
76	Тихвин	-28	-14	-3.1	227
77	Гатчина	-28	-13	-2.6	230
78	Ефимовская	-30	-15	-3.7	235
79	Волосово	-28	-13	-2.6	230
80	Новопятицкая	-26	-12	-2.0	219
81	Кингисепп	-26	-12	-2.1	219
82	Белогорка	-27	-13	-2.6	226
83	Любань	-28	-13	-2.6	224
84	Вилья Горы	-28	-13	-2.8	225
85	Будогощь	-28	-13	-2.9	223
86	Низовская	-27	-13	-2.6	226
87	Осьмино	-27	-12	-2.3	220
88	Толмачево	-27	-12	-2.4	220
89	Оредеж	-27	-12	-2.4	220
90	Луга	-27	-12	-2.4	219
91	Замощье Ольгино	-27	-12	-2.4	218
92	Николаевское	-27	-12	-2.4	219

KEY: 1- Station number; 2- Station; 3- Calculated temperature;
4- coldest 5-day period; 5- winter ventilation; 6- Heating period;
7- mean temperature; 8- duration (days)

- 35. Gogland
- 36. Seskar
- 37. Gogland I
- 38. Moshchnyy
- 39. Lisiy Nos
- 40. Leningrad, Lesnoy
- 41. Shepelevskiy
- 42. Kronshtadt
- 43. Leningrad, airport
- 44. Lebyazh'ye
- 45. Leningrad, Hydrometeorological Observatory
- 46. Voyeykovo
- 47. Shugozero
- 48. Chernaya Rechka
- 49. Petrokrepost'
- 50. Volkhov
- 51. Lomonosov, forestry school
- 52. Lomonosov
- 53. Nevskaya (Leningrad)
- 54. Petrodvorets
- 55. Leningrad, porcelain plant
- 56. Petrodvorets, park
- 57. Strel'na
- 58. Strel'na, agricultural station
- 59. Priladoga
- 60. Bol'shoy Tyuters
- 61. Novo-Saratovskaya
- 62. Staroye Garkolovo
- 63. Sisto-Palkino
- 64. Porogi na Neve
- 65. Kaybolovo
- 66. Mga

67. Pushkin
68. Pushkin, agricultural station
69. Tikhvin, timber station
70. Pavlovsk
71. Tikhvin, Berezovik
72. Gakkovo
73. Ust'-Luga
74. Kipen'
75. Sablino
76. Tikhvin
77. Gatchina
78. Yefimovskaya
79. Volosovo
80. Novopyatnitskaya
81. Kingisepp
82. Belogorka
83. Lyuban'
84. Vil'i Gory
85. Budogoshch'
86. Nizovskaya
87. Os'mino
88. Tolmachevo
89. Oredezkh
90. Luga
91. Zamosh'ye Ol'gino
92. Nikolayevskoye

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(a) № станции	(b) Станция	(c) Расчетная температура		(d) Отопительный период	
		(e) самой холодной пятидневки	(f) зимняя вентиляционная	(g) средняя температура	(h) продолжительность (сутки)

(i) НОВГОРОДСКАЯ ОБЛАСТЬ

93	Чудово	-28	-13	-2.7	222
94	Хвойная	-29	-14	-3.5	228
95	Каменка	-29	-14	-3.5	232
96	Веребье	-28*	-13	-3.0	221
97	Новгород, болотная ст.	-27	-13	-2.8	219
98	Хутынь	-27	-13	-2.6	218
99	Охоны	-29	-15	-3.6	227
100	Новгород	-27*	-12*	-2.6	220
101	Боровичи	-28	-13*	-3.2	219
102	Войцы	-27	-13	-2.7	218
103	Окуловка	-28	-14	-3.1	224
104	Крестцы	-28	-13	-2.7	221
105	Шимск и Шелонь	-27	-12	-2.9	214
106	Коростынь	-27	-13	-2.6	217
107	Сольцы на Шелони	-27	-12	-2.3	215
108	Старая Русса	-27	-12	-2.5	214
109	Парфинская лесная школа	-27	-12	-2.4	213
110	Валдай	-28	-14	-3.2	224
111	Семеновщина	-28	-13	-3.0	220
112	Велье	-28	-14	-3.3	217
113	Демянск	-27	-12	-2.4	214
114	Молвотицы	-27	-13	-2.5	214
115	Марево	-27	-12	-2.4	213
116	Холм	-27	-12	-2.3	213

(j) ПСКОВСКАЯ ОБЛАСТЬ

117	Гдов	-26	-12	-2.0	217
118	Ляды	-27	-12	-2.2	221
119	Сосно-Раскопель	-26	-11	-1.8	213
120	Зачеренье	-27	-12	-2.5	217
121	Замошье, болотная ст.	-27	-12	-2.4	222
122	Струги Красные	-27	-12	-2.4	221
123	им. Залита, остров	-26	-12	-2.3	212
124	Дно	-27	-12	-2.3	215
125	Псков	-26*	-11	-2.0	212
126	Порхов	-26	-12	-2.2	215
127	Быстрцово	-26	-12	-2.2	215
128	Псков, с.-х. ст.	-26	-11	-2.1	214
129	Дедовичи	-27	-12	-2.4	216
130	Остров	-26	-12	-2.2	211
131	Пыталово	-26	-11	-2.0	210
132	Пушкинские Горы	-26	-12	-2.2	210
133	Сушево	-27	-12	-2.4	213
134	Опочка	-26	-11	-2.0	211
135	Скоково	-27	-12	-2.6	215
136	Базлово	-27	-12	-2.6	213
137	Великие Луки	-27	-12*	-2.6	209
138	Идрица	-26	-12	-2.1	212
139	Жигалово	-27	-12	-2.3	213
140	Новохованск	-27	-12	-2.3	210

(k) Примечание. Звездочка (*) означает, что данные взяты подсчетом.

Key: (a) No. of station. (b) Station. (c) Calculated temperature. (d) Heating period. (e) coldest five-day period. (f) winter ventilation. (g) average temperature. (h) duration (days). (i) Novgorod Region. (j) Pskov Region. (k) Note. Asterisk (*) denotes that data are taken by calculation.

93. Chudovo. 94. Khvoynaya. 95. Kamenka. 96. Vereb'ye. 97. Novgorod, bolotnaya st. 98. Khutyn'. 99. Okhony. 100. Novgorod. 101. Borovichi. 102. Voytsy. 103. Okulovka. 104. Kresttsy. 105. Shimsk and Shelon'. 106. Korostyn'. 107. Sol'tsy. 108. Staraya Russa. 109. Parfinskaya lesnaya shkola. 110. Valday. 111. Semenovshchina. 112. Vel'ye. 113. Demyansk. 114. Molvotitsy. 115. Marevo. 116. Kholm. 117. Gdov. 118. Lyady. 119. Sosno-Raskopel'. 120. Zacheren'ye. 121. Zamosh'ye, bolotnaya st. 122. Strugi Krasnye. 123. im. Zalita, ostrov. 124. Dno. 125. Pskov. 126. Porkhov. 127. Bystretsovo. 128. Pskov, s.-kh. st. 129. Dedovichi. 130. Ostrov. 131. Pytalovo. 132. Pushkinskiye Gory. 133. Sushchevo. 134. Opochka. 135. Skokovo. 136. Bazlovo. 137. Velikiye Luki. 138. Idritsa. 139. Zhigalovo. 140. Novokhovansk.

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ТАБЛИЦА 22

ЧИСЛО ДНЕЙ СО СРЕДНЕЙ СУТОЧНОЙ ТЕМПЕРАТУРОЙ ВОЗДУХА В РАЗЛИЧНЫХ ПРЕДЕЛАХ ПРИ ОПРЕДЕЛЕННЫХ ЗНАЧЕНИЯХ СРЕДНЕЙ МЕСЯЧНОЙ ТЕМПЕРАТУРЫ

(a) Средняя месячная темпера- тура	(b) Температура (от—до)															
	-49.9 -45.0	-44.9 -40.0	-39.9 -35.0	-34.9 -30.0	-29.9 -25.0	-24.9 -20.0	-19.9 -15.0	-14.9 -10.0	-9.9 -5.0	-4.9 0	0.1 5.0	5.1 10.1	10.1 15.0	15.1 20.0	20.1 25.0	25.1 30.0
(c) Январь																
(d) Прибрежный (I) район																
-9				•	0.4	1.4	3.4	7.1	8.1	7.8	2.8					
-8				•	0.2	1.2	3.1	5.9	8.1	7.8	4.7					
-7				•	0.2	0.8	2.3	5.9	7.4	8.5	5.9					
-6				•	0.2	0.7	2.0	5.2	7.1	8.4	7.4					
-5				•	0.1	0.5	1.5	4.7	6.8	8.1	7.4	•				
(e) Западный (II) район																
-9		•	•	0.2	0.7	1.8	4.0	6.2	8.1	7.1	2.9					
-8		•	•	0.2	0.6	1.7	3.4	5.6	7.8	7.7	4.0					
-7			•	0.1	0.5	1.4	3.0	5.2	7.8	7.7	5.3					
(f) Восточный (III) и северо-восточный (IIIa) районы																
-12	•	•	0.2	0.6	1.9	3.4	5.3	7.1	7.8	4.7						
-11	•	•	0.2	0.6	1.7	3.1	5.0	6.5	7.7	5.4	0.8					
-10		•	0.1	0.5	1.2	3.1	4.7	6.2	7.5	6.0	1.7					
-9		•	0.1	0.4	1.0	2.5	4.7	5.6	7.4	6.8	2.5					
-8		•	0.1	0.3	0.8	2.3	4.0	5.6	7.4	7.1	3.4					
(g) Февраль																
(h) Западный (II) и восточный (III) районы																
-11		•	0.2	0.7	2.2	4.8	6.7	8.4	4.6	0.4						
-10		•	0.1	0.6	1.8	4.2	6.7	7.9	5.9	0.8						
-9			0.1	0.4	1.3	3.8	6.2	7.9	7.1	1.2						
-8			0.1	0.3	1.1	3.3	5.6	7.6	7.9	2.0	•					
-7			•	0.2	0.9	2.5	5.6	7.6	7.9	3.1	0.2					

Table 22. Number of days with average daily air temperature in various limits with certain values of average monthly temperature. Key: (a) Average monthly temperature. (b) Temperature (from-to). (c) January. (d) Coastal (I) region. (e) Western (II) region. (f) Eastern (III) and northeastern (IIIa) regions. (g) February. (h) Western (II) and eastern (III) regions.

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	(a)	Прибрежный (I) район							
-9	•	0.2	1.0	3.5	7.0	7.4	8.0	0.4	
-8	•	0.1	0.8	2.7	7.0	7.9	8.5	1.0	
-7		0.1	0.6	2.1	6.2	7.9	9.2	1.9	
-6		0.1	0.4	1.5	5.3	7.3	9.2	3.8	0.4
	(b)	Март							
	(c)	Прибрежный (I), западный (II) и восточный (III) районы							
-6	•	0.2	1.3	4.7	9.0	11.8	3.9	0.1	
-5		0.1	0.9	3.9	8.7	10.5	6.6	0.3	
-4		0.1	0.7	3.6	6.8	10.5	8.8	0.5	
-3		0.1	0.5	2.3	6.5	9.9	10.5	1.2	
	(d)	Северо-восточный (IIIa) район							
-7		0.1	0.7	2.0	5.3	8.7	12.0	2.2	
-6		0.1	0.6	1.5	4.0	8.7	12.0	4.0	0.1
-5	•	0.4	1.3	3.6	8.4	10.5	6.5	0.3	
	(e)	Апрель							
	(f)	Прибрежный (I), западный (II) и восточный (III) районы							
0			0.2	2.8	10.2	11.1	4.8	0.9	
1			0.1	1.7	8.4	12.3	6.0	1.5	•
2			0.1	1.1	6.6	12.6	7.2	2.3	0.1
3			•	0.6	5.1	12.3	8.7	3.0	0.3
4			•	0.4	3.8	10.8	10.5	3.9	0.6
	(g)	Северо-восточный (IIIa) район							
1	•	0.4	2.6	9.6	11.7	4.6	1.1		
2	•	0.3	1.8	8.1	12.6	5.7	1.5	•	
3		0.2	1.2	6.4	12.6	7.5	2.0	0.1	
		Май							
	(h)	Западный (II), восточный (III) и северо-восточный (IIIa) районы							
6			0.2	3.2	8.4	11.1	7.1	0.9	0.1
7			0.1	2.1	7.8	11.1	8.4	1.4	0.1
8			•	1.2	6.8	10.8	9.6	2.4	0.2
9			•	0.6	5.3	10.8	10.2	3.8	0.3
10			•	0.5	3.9	10.5	10.3	5.4	0.4
11			•	0.2	3.2	9.0	10.5	7.1	0.9
12			0.1	2.1	7.1	12.1	8.1	1.4	0.1

Key: (a) Coastal (I) region. (b) March. (c) Coastal (I), western (II) and eastern (III) regions. (d) Northeastern (IIIa) region. (e) April. (f) Coastal (I), western (II) and eastern (III) regions. (g) Northeastern (IIIa) region. (h) Western (II), eastern (III) and northeastern (IIIa) regions.

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(a) Средняя месячная темпера- тура	(b) Температура (от-до)															
	-49.9	-44.9	-39.9	-34.9	-29.9	-24.9	-19.9	-14.9	-9.9	-4.9	0.1	5.1	10.1	15.1	20.1	25.1
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0	5.0	10.0	15.0	20.0	25.0	30.0
(c) Прибрежный (I) район																
6										2.5	9.9	10.6	7.1	0.9		
7										1.6	8.4	11.1	8.4	1.5		
8										0.9	7.1	11.2	9.3	2.4	0.1	
9										0.4	5.1	11.2	10.2	3.8	0.3	
10										0.2	3.8	10.5	10.9	5.3	0.3	
(d) Июнь																
11										0.1	2.0	9.0	12.9	5.7	0.3	
12										0.1	1.1	7.2	12.6	8.4	0.6	
13											0.7	5.3	12.6	10.0	1.4	
14											0.4	4.1	12.3	10.8	2.4	
15											0.2	2.8	10.8	12.3	3.8	0.1
16											0.1	2.0	9.0	12.3	6.3	0.3
(e) Июль																
15												1.2	11.8	15.2	2.7	0.1
16												0.6	8.7	17.1	4.5	0.1
17												0.3	5.6	17.7	7.1	0.3
18												0.1	3.6	16.1	10.4	0.8
(f) Август																
14												2.2	16.4	11.0	1.4	
15												1.1	14.4	13.3	2.1	0.1
16												0.5	10.1	16.4	3.9	0.1
17												0.2	6.6	18.0	5.9	0.3
(g) Сентябрь																
8										0.8	5.2	16.2	7.1	0.7		
9										0.5	3.7	15.0	9.3	1.5		
10										0.3	2.4	12.3	12.6	2.3	0.1	
11											1.8	9.6	14.7	3.8	0.1	
12											1.2	7.8	15.3	5.3	0.4	

Key: (a) Average monthly temperature. (b) Temperature
(From-to). (c) Coastal (I) region. (d) June. (e) July. (f)
August. (g) September.

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(a) Октябрь

2	•	02	14	78	136	74	06	•
3	•	01	10	57	143	86	13	•
4	•	01	07	42	130	105	24	01
5	•	•	04	30	115	124	36	01
6	•	•	02	19	102	130	54	03

(b) Ноябрь

(c) Прибрежный (I), западный (II) и восточный (III) районы

-2	•	01	02	15	57	111	96	18	•
-1	•	•	02	10	45	105	108	29	01
0	•	•	01	08	36	93	114	46	02
1	•	•	01	05	27	75	126	62	04
2	•	•	•	03	20	66	126	75	10

(d) Северо-восточный (IIIa) район

-3	•	01	03	20	66	120	80	10	•
-2	•	01	03	14	57	111	96	18	•
-1	•	01	02	09	45	105	108	29	01

(e) Декабрь

(f) Прибрежный (I), западный (II) и восточный (III) районы

-7	•	•	02	08	20	50	81	109	40	•
-6	•	•	02	06	16	43	75	106	62	•
-5	•	•	01	05	14	36	68	99	83	04
-4	•	•	01	04	11	31	65	93	96	09
-3	•	•	01	02	09	25	56	93	99	25
-2	•	•	•	02	08	20	50	81	109	40

(g) Северо-восточный (IIIa) район

-9	01	02	06	16	34	65	87	88	11
-8	•	02	05	11	31	59	87	90	25
-7	•	01	05	09	25	53	81	96	40

(h) Примечание. Точка (•) означает, что число дней в соответствующей градации температуры менее 0.1 дня. С июня по октябрь данные приводятся для всей территории.

Key: (a) October. (b) November. (c) Coastal (I), western (II) and eastern (III) regions. (d) Northeastern (IIIa) region. (e) December. (f) Coastal (I), western (II) and eastern (III) regions. (g) Northeastern (IIIa) region. (h) Note. Point (•) denotes that the number of days in the corresponding temperature gradation is less than 0.1 day. From June to October the data are provided for the entire territory.

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ТАБЛИЦА 23

ЧИСЛО ДНЕЙ С МИНИМАЛЬНОЙ ТЕМПЕРАТУРОЙ ВОЗДУХА В РАЗЛИЧНЫХ ПРЕДЕЛАХ ПРИ ОПРЕДЕЛЕННЫХ
ЗНАЧЕНИЯХ СРЕДНИХ МИНИМУМОВ

а) Средний минимум

(б) Температура (от-до)

-51.9	-49.9	-44.9	-39.9	-34.9	-29.9	-24.9	-19.9	-14.9	-9.9	-4.9	0.1	5.1	10.1	15.1	20.1	25.1
-50.0	-48.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0	20.0	25.0	30.0

(в) Январь

(г) Западный (II) и восточный (III) районы

-15	•	•	0.1	0.4	1.3	2.6	4.0	5.5	7.8	6.5	2.8					
-14		•	0.1	0.3	1.0	2.3	4.0	5.3	7.1	6.8	4.0	0.1				
-13		•	0.1	0.2	0.8	2.0	3.4	5.3	6.5	7.1	5.1	0.5				
-12		•	•	0.2	0.7	1.7	3.4	4.6	6.2	7.4	5.9	0.9				
-11		•	•	0.1	0.5	1.5	2.8	4.3	5.9	7.8	6.2	1.9				
-10		•	•	0.1	0.4	1.2	2.7	4.0	5.3	8.0	6.5	2.8	•			

(д) Прибрежный (I) район

-13			0.1	0.5	1.6	3.4	6.2	7.1	7.5	4.4	0.2					
-12			•	•	0.4	1.3	3.1	5.4	7.1	7.8	5.1	0.8				
-11			•	•	0.2	1.0	2.8	5.0	6.5	8.1	5.9	1.5				
-10			•	•	0.2	0.8	2.5	4.6	6.2	7.7	6.5	2.5				
-9				•	0.1	0.7	2.1	4.0	6.2	7.4	7.1	3.4				
-8					0.1	0.5	1.6	3.4	5.9	7.4	7.5	4.4	0.2			
-7				•	0.4	1.2	3.2	5.4	7.1	7.8	5.1	0.8				

(е) Февраль

-15		0.1	0.3	0.8	2.2	4.2	5.6	6.5	5.3	2.9	0.1					
-14		0.1	0.2	0.7	1.9	3.9	5.3	6.4	5.6	3.8	0.1					
-13		•	0.1	0.5	1.6	3.4	5.3	6.2	5.9	4.3	0.7					
-12		•	0.1	0.4	1.2	3.0	5.1	5.9	6.2	4.8	1.3	•				
-11		•	0.1	0.3	1.0	2.5	4.8	5.9	6.2	5.1	2.1	•				
-10			0.1	0.2	0.8	2.2	4.2	5.9	6.2	5.3	3.0	0.1				
-9			•	0.2	0.7	1.9	3.9	5.3	6.4	5.6	3.6	0.4				

Table 23. Number of days with minimum air temperature in various limits with certain values of average minimums. Key:

(a) Average minimum. (b) Temperature (from-to). (c) January. (d) Western (II) and eastern (III) regions. (e) Coastal (I) region. (f) February.

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		(a) Март									
№ п/п	13	0.1	0.4	1.4	4.0	5.9	7.7	7.4	3.7	0.4	
	12	•	0.3	1.2	3.3	5.7	7.1	8.1	4.5	0.8	
	11	•	0.2	0.9	2.9	5.3	6.8	8.1	5.6	1.2	
	10	•	0.1	0.7	2.3	4.6	6.8	8.4	5.9	2.2	•
	9		0.1	0.5	1.9	4.3	6.2	8.4	6.5	3.0	0.1
	8		0.1	0.4	1.4	4.0	5.9	7.8	7.4	3.8	0.2
	7		•	0.3	1.2	3.1	5.9	7.4	7.8	4.5	0.8
		(b) Апрель									
		(c) Западный (II) и восточный (III) районы									
№ п/п	1	•	0.1	0.2	0.7	2.3	8.1	13.5	4.8	0.3	•
	3		•	0.2	0.5	1.8	6.8	13.5	6.6	0.6	•
	2		•	0.1	0.4	1.5	4.8	13.5	8.6	1.0	0.1
	1		•	0.1	0.4	1.5	3.8	11.4	11.4	1.7	0.1
	0		•	0.1	0.3	1.2	3.0	9.6	13.2	2.8	0.2
			•	0.1	0.2	0.9	3.0	9.6	13.2	2.8	0.2
	1		•	•	0.2	0.8	2.3	8.1	13.8	4.5	0.3
		(d) Прибрежный (I) район									
№ п/п	3		•	0.2	1.2	7.5	14.1	6.3	0.7	•	
	2		•	0.2	0.9	5.5	13.5	8.6	1.2	0.1	
	1		•	0.1	0.6	3.8	12.3	11.0	2.1	0.1	
	0		•	0.1	0.4	2.5	10.8	12.9	3.1	0.2	
		(e) Май									
№ п/п	2		•	•	1.2	8.7	13.0	7.3	0.8	•	
	3		•	•	0.6	6.8	13.0	9.1	1.4	0.1	
	4				0.3	5.0	12.7	10.5	2.4	0.1	
	5				0.2	3.4	11.6	11.8	3.8	0.2	
	6				0.1	2.1	10.5	12.4	5.5	0.4	•
	7				•	1.2	8.7	13.0	7.3	0.8	•
		(f) Июнь									
№ п/п	6				0.1	1.7	9.6	13.8	4.6	0.2	
	7				•	1.0	7.7	14.4	6.5	0.4	
	8				•	0.6	6.0	14.4	8.0	1.0	•
	9				•	0.3	4.5	13.2	10.2	1.8	•
	10				•	0.2	2.8	12.0	12.0	2.9	0.1
	11					0.1	1.7	9.6	13.8	4.5	0.3
	12					•	1.0	7.7	14.7	6.0	0.6

(a) March. (b) April. (c) Western (II) and eastern (III) regions. (d) Coastal (I) region. (e) May. (f) June.

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Средний минимум	(b) Температура (от-до)													
	-54.9	-49.9	-44.9	-39.9	-34.9	-29.9	-24.9	-19.9	-14.9	-9.9	-4.9	0.1	5.1	10.1
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0
													20.0	25.0
														25.1
														30.0

(c) Июль													
9													
10													
11													
12													
13													
14													
15													

(d) Август													
8													
9													
10													
11													
12													
13													
14													
15													

(e) Сентябрь													
4													
5													
6													
7													
8													
9													
10													

(f) Октябрь													
-1													
0													
1													
2													

(a) Average minimum. (b) Temperature (from-to). (c) July. (d) August. (e) September. (f) October.

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3	•	02	12	07	133	64	12	•
4	•	02	08	30	124	105	21	•
5	•	01	05	34	115	121	33	0.1

(a) Ноябрь

(b) Западный (II) и восточный (III) районы

-6	•	01	04	19	42	84	114	34	02
-5	•	01	03	14	37	78	117	46	04
-4	•	•	02	11	32	66	117	64	08
-3	•	•	02	07	27	60	102	88	14
-2	•	•	01	05	22	53	93	102	23
-1	•	•	01	04	16	45	87	111	34
									02

(c) Прибрежный (I) район

-4	•	01	07	27	73	126	60	06	
-3	•	01	04	22	60	123	78	12	•
-2	•	•	03	18	51	108	99	21	•
-1	•	•	02	13	42	96	114	32	01
0		•	01	09	32	84	126	45	03

(d) Декабрь

(b) Западный (II) и восточный (III) районы

-12	•	02	07	13	24	47	74	90	48	05
-11	•	02	05	12	22	40	68	90	62	09
-10	•	01	04	11	19	36	62	90	70	17
-9	•	01	03	08	19	31	56	87	80	25
-8	•	•	03	08	14	30	50	81	87	36
-7	•	•	02	06	14	25	46	74	90	48
										05

(c) Прибрежный (I) район

-9	•	01	05	15	35	62	99	78	15	
-8	•	01	03	12	30	59	87	93	25	
-7	•	•	02	10	25	50	87	96	40	•
-6	•	•	02	07	22	43	78	102	53	03
-5	•	•	01	06	19	39	68	102	66	09
-4	•	•	01	05	15	35	62	99	78	15
-3	•	•	01	03	12	30	59	90	87	28

(e) Примечание. Точка(•) означает, что число дней в соответствующей градации температуры менее 0.1 дня. С февраля по март и с мая по октябрь данные приводятся для всей территории.

(a) November. (b) Western (II) and eastern (III) regions. (c) Coastal (I) region. (d) December. (e) Note: Point (•) denotes that the number of days in the corresponding temperature gradation is less than 0.1 day. From February to March and from May to October the data are provided for the entire territory.

ЧИСЛО ДНЕЙ С МАКСИМАЛЬНОЙ ТЕМПЕРАТУРОЙ ВОЗДУХА В РАЗЛИЧНЫХ ПРЕДЕЛАХ ПРИ ОПРЕДЕЛЕННЫХ
ЗНАЧЕНИЯХ СРЕДНИХ МАКСИМУМОВ

а)		(Б) Температура (от—до)																
Средний максимум		-44.9 -40.0	-39.9 -35.0	-34.9 -30.0	-29.9 -25.0	-24.9 -20.0	-19.9 -15.0	-14.9 -10.0	-9.9 -5.0	-4.9 0.0	0.1 5.0	5.1 10.0	10.1 15.0	15.1 20.0	20.1 25.0	25.1 30.0	30.1 35.0	35.1 40.0
(С) Январь																		
-3				•	01	04	13	28	56	90	95	23						
-4				•	02	05	16	32	62	96	89	08						
-5			•	01	02	07	19	37	68	99	75	02						
-6	•	•	•	01	02	09	22	44	71	105	56	•						
-7	•	•	•	01	03	10	26	50	78	102	40	•						
-8	•	•	•	01	04	13	28	56	84	102	22							
(Д) Февраль																		
-3				•	02	06	23	59	92	81	17							
-4				•	02	08	31	67	90	76	06							
-5				•	01	02	11	39	76	90	60	01						
-6			•	01	03	15	48	78	90	45	•							
-7			•	01	05	19	56	81	90	28								
(Е) Март																		
-3					•	03	19	75	133	73	07	•						
-2					•	02	14	58	124	96	15	01						
-1					•	01	09	46	112	118	23	01						
0						01	06	37	99	130	34	03			•			
1						•	05	26	87	133	55	04			•			
2						•	03	20	73	136	70	07			01			
(F) Апрель																		
2							01	19	88	105	60	22		05		•		
3							•	12	75	108	69	29		07		•		
4							•	07	59	108	79	36		10		01		
5							•	04	44	105	90	41		14		02		
6							•	02	31	99	96	51		18		03		
7								01	19	88	105	60		22		05		•

Table 24. Number of days with maximum air temperature in
various limits with certain values of average maximums. Key:

(a) Average maximum. (b) Temperature (from-to). (c) January.

(d) February. (e) March. (F) April.

Год	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411
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(a) May. (b) June. (c) July. (d) August.

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(a) Средний максимум		(b) Температура (от-до)																
		-41.9	-39.9	-34.9	-29.9	-24.9	-19.9	-14.9	-9.9	-4.9	0.1	5.1	10.1	15.1	20.1	25.1	30.1	35.1
		-41.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
21													1.5	10.9	13.6	4.6	0.4	
22													0.8	8.5	14.6	6.5	0.6	
12												1.1	7.9	13.8	6.0	1.1	0.1	
13												0.4	6.1	13.8	8.0	1.5	0.2	
14												0.2	4.6	12.9	9.9	2.1	0.3	
15												0.1	2.9	11.7	12.0	2.8	0.5	
16													1.8	10.2	12.9	4.4	0.7	
5												0.4	2.7	11.5	13.0	3.2	0.2	
6												0.2	2.0	9.9	13.6	4.9	0.4	
7												0.1	1.3	7.9	14.3	6.8	0.6	
8												0.1	0.8	6.5	14.0	8.4	1.2	
9													0.5	4.7	12.4	11.2	2.1	0.1
-1												0.7	4.7	12.0	10.5	2.1		
0												0.4	3.5	10.5	12.3	3.2	0.1	
1												0.2	2.5	8.7	13.2	5.2	0.2	
2												0.1	1.7	7.2	12.9	7.5	0.6	
3												0.1	1.1	6.0	12.6	9.0	1.2	
4												0.1	0.7	4.6	12.0	10.5	2.1	
-6			0.2	0.6	1.7	4.3	8.7	11.8	3.6	0.1								
-5			0.1	0.4	1.4	3.6	7.8	11.5	5.9	0.3								
-4			0.1	0.3	1.2	3.1	6.8	11.2	7.7	0.6								
-3			0.1	0.2	1.0	2.6	5.7	10.5	9.5	1.4								
-2				0.2	0.7	2.2	5.0	9.9	10.5	2.4								
-1				0.2	0.6	1.7	4.3	8.7	11.5	3.9	0.1							
0				0.1	0.4	1.5	3.6	7.7	11.5	5.8	0.4							

(3) Примечание Точка (•) означает, что число дней в соответствующей градации температуры менее 0.1 дня. С января по декабрь данные приводятся для всей территории.

(a) Average maximum. (b) Temperature (from-to). (c) September.
 (d) October. (e) November. (f) December. (g) Note. Point (•)
 denotes that the number of days in the corresponding
 temperature gradation is less than 0.1 day. From January to
 December the data are provided for the entire territory.

ТАБЛИЦА 25

**ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА
ВЫШЕ 0° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПОДЪЕМА ТЕМПЕРАТУРЫ)**

(a) Средняя дата	(b) Вероятность наступления в указанные даты и более ранние (%)							(c) Самая поздняя дата
	5	10	25	50	75	90	95	

(d) Западный (II) и восточный (III) районы

26 III	9 III	13 III	21 III	26 III	1 IV	6 IV	9 IV	15 IV
1 IV	15 III	19 III	27 III	1 IV	7 IV	12 IV	15 IV	21 IV
6 IV	20 III	24 III	1 IV	6 IV	12 IV	17 IV	20 IV	26 IV
11 IV	25 III	29 III	6 IV	11 IV	17 IV	22 IV	25 IV	1 V
16 IV	30 III	3 IV	11 IV	16 IV	22 IV	27 IV	30 IV	6 V

(e) Прибрежный и островной (I) район

1 IV	2 III	14 III	25 III	3 IV	10 IV	16 IV	19 IV	26 IV
6 IV	7 III	19 III	30 III	8 IV	15 IV	21 IV	24 IV	1 V
11 IV	12 III	24 III	4 IV	13 IV	20 IV	26 IV	29 IV	6 V
16 IV	17 III	29 III	9 IV	18 IV	25 IV	1 V	4 V	11 V

ТАБЛИЦА 26

**ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА
НИЖЕ 0° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПАДЕНИЯ ТЕМПЕРАТУРЫ)**

(a) Дата	(b) Вероятность наступления в указанные даты и более ранние (%)						
(c) средняя	(d) самая ранняя	5	10	25	50	75	95

(e) Западный (II) и восточный (III) районы

26 X	1 X	7 X	11 X	17 X	25 X	2 XI	9 XI	14 XI
1 XI	7 X	13 X	17 X	23 X	31 X	8 XI	15 XI	20 XI
6 XI	12 X	18 X	22 X	28 X	5 XI	13 XI	20 XI	25 XI
11 XI	17 X	23 X	27 X	2 XI	10 XI	18 XI	25 XI	30 XI
16 XI	22 X	28 X	1 XI	7 XI	15 XI	23 XI	30 XI	5 XII
21 XI	27 X	2 XI	6 XI	12 XI	20 XI	28 XI	5 XII	10 XII

(f) Прибрежный и островной (I) район

11 XI	7 X	15 X	22 X	30 X	8 XI	19 XI	5 XII	16 XII
16 XI	12 X	20 X	27 X	4 XI	13 XI	24 XI	10 XII	21 XII
21 XI	17 X	25 X	1 XI	9 XI	18 XI	29 XI	15 XII	26 XII
26 XI	22 X	30 X	6 XI	14 XI	23 XI	4 XII	20 XII	31 XII
1 XII	27 X	4 XI	11 XI	19 XI	28 XI	9 XII	25 XII	5 I

Table 25. Dates of onset of average daily air temperatures above θ° of various probability (in the period of temperature rise). Key: (a) Average date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) Latest date. (d) Western (II) and eastern (III) regions. (e) Coastal and island (I) region.

Table 26. Dates of onset of average daily air temperatures below θ° of various probability (in the period of temperature drop). Key: (a) Date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) average. (d) earliest. (e) Western (II) and eastern (III) regions. (f) Coastal and island (I) region.

ТАБЛИЦА 27

ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ
5° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПОДЪЕМА ТЕМПЕРАТУРЫ)

(a) Средняя дата	(b) Вероятность наступления в указанные даты и более ранние (%)							(c) Самая поздняя дата
	5	10	25	50	75	90	95	
(d) Для всей территории								
16 IV	31 III	3 IV	9 IV	16 IV	21 IV	26 IV	28 IV	6 V
21 IV	5 IV	8 IV	14 IV	21 IV	26 IV	1 V	3 V	11 V
26 IV	10 IV	13 IV	19 IV	26 IV	1 V	6 V	8 V	16 V
1 V	15 IV	18 IV	24 IV	1 V	6 V	11 V	13 V	21 V
6 V	20 IV	23 IV	29 IV	6 V	11 V	16 V	18 V	26 V
11 V	25 IV	28 IV	4 V	11 V	16 V	21 V	23 V	31 V
16 V	30 IV	3 V	9 V	16 V	21 V	26 V	28 V	5 VI

ТАБЛИЦА 28

ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА НИЖЕ
5° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПАДЕНИЯ ТЕМПЕРАТУРЫ)

(a) Дата		(b) Вероятность наступления в указанные даты и более ранние (%)						
(c) средняя	(d) самая ранняя	5	10	25	50	75	90	95
(e) Для всей территории								
1 X	13 IX	17 IX	19 IX	24 IX	1 X	7 X	13 X	16 X
6 X	18 IX	22 IX	24 IX	29 IX	6 X	12 X	18 X	21 X
11 X	23 IX	27 IX	29 IX	4 X	11 X	17 X	23 X	26 X
16 X	28 IX	2 X	4 X	9 X	16 X	22 X	28 X	31 X
21 X	3 X	7 X	9 X	14 X	21 X	27 X	2 XI	5 XI
26 X	8 X	12 X	14 X	19 X	26 X	1 XI	7 XI	10 XI
31 X	13 X	17 X	19 X	24 X	31 X	6 XI	12 XI	15 XI

ТАБЛИЦА 29

ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ
10° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПОДЪЕМА ТЕМПЕРАТУРЫ)

(a) Средняя дата	(b) Вероятность наступления в указанные даты и более ранние (%)							(c) Самая поздняя дата
	5	10	25	50	75	90	95	
(d) Для всей территории								
6 V	20 IV	23 IV	29 IV	6 V	13 V	19 V	22 V	26 V
11 V	25 IV	28 IV	4 V	11 V	18 V	24 V	27 V	31 V
16 V	30 IV	3 V	9 V	16 V	23 V	29 V	1 VI	5 VI
21 V	5 V	8 V	14 V	21 V	28 V	3 VI	6 VI	10 VI
26 V	10 V	13 V	19 V	26 V	2 VI	8 VI	11 VI	15 VI
1 VI	16 V	19 V	25 V	1 VI	8 VI	14 VI	17 VI	21 VI
6 VI	21 V	24 V	30 V	6 VI	13 VI	19 VI	22 VI	26 VI
11 VI	26 V	29 V	4 VI	11 VI	18 VI	24 VI	27 VI	1 VII

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Table 27. Dates of onset of average daily air temperatures above 5° of various probability (in the period of temperature rise). Key: (a) Average date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) Latest date. (d) For entire territory.

Table 28. Dates of onset of average daily air temperatures below 5° of various probability (in the period of temperature drop). Key: (a) Date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) average. (d) earliest. (e) For entire territory.

Table 29. Dates of onset of average daily air temperatures above 10° of various probability (in the period of temperature rise). Key: (a) Average date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) Latest date. (d) For entire territory.

ТАБЛИЦА 30

**ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА НИЖЕ
10° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПАДЕНИЯ ТЕМПЕРАТУРЫ)**

(а) Дата		(б) Вероятность наступления в указанные даты и более ранние (%)						
(с) средняя	(д) самая ранняя	5	10	25	50	75	90	95

(е) Для всей территории

6 IX	17 VIII	25 VIII	27 VIII	31 VIII	6 IX	10 IX	16 IX	18 IX
11 IX	22 VIII	30 VIII	1 IX	5 IX	11 IX	15 IX	21 IX	23 IX
16 IX	27 VIII	4 IX	6 IX	10 IX	16 IX	20 IX	26 IX	28 IX
21 IX	1 IX	9 IX	11 IX	15 IX	21 IX	25 IX	1 X	3 X
26 IX	6 IX	14 IX	16 IX	20 IX	26 IX	30 IX	6 X	8 X
1 X	11 IX	19 IX	21 IX	25 IX	1 X	5 X	11 X	13 X

ТАБЛИЦА 31

**ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ
15° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПОДЪЕМА ТЕМПЕРАТУРЫ)**

(а) Средняя дата	(б) Вероятность наступления в указанные даты и более ранние (%)						
	5	10	25	50	75	90	95

(с) Прибрежный и островной (I) район

21 VI	1 VI	6 VI	14 VI	22 VI	29 VI	16 VII
26 VI	6 VI	11 VI	19 VI	27 VI	4 VII	21 VII
1 VII	11 VI	16 VI	24 VI	2 VII	9 VII	26 VII
6 VII	16 VI	21 VI	29 VI	7 VII	14 VII	31 VII

(д) Западный (II) район

6 VI	16 V	20 V	28 V	7 VI	15 VI	24 VI	4 VII
11 VI	21 V	25 V	2 VI	12 VI	20 VI	29 VI	9 VII
16 VI	26 V	30 V	7 VI	17 VI	25 VI	4 VII	14 VII
21 VI	31 V	4 VI	12 VI	22 VI	30 VI	9 VII	19 VII
26 VI	5 VI	9 VI	17 VI	27 VI	5 VII	14 VII	24 VII
1 VII	10 VI	14 VI	22 VI	2 VII	10 VII	19 VII	29 VII

(е) Восточный (III) район

11 VI	21 V	25 V	1 VI	13 VI	24 VI
16 VI	26 V	30 V	6 VI	18 VI	29 VI
21 VI	31 V	4 VI	11 VI	23 VI	4 VII
26 VI	5 VI	9 VI	16 VI	28 VI	9 VII
1 VII	10 VI	14 VI	21 VI	3 VII	14 VII

(ф) Примечание. Период с устойчивой температурой воздуха выше 15° в районе I отсутствует в 5% лет, в районе II — в 1—3% лет и в районе III — в 7% лет.

Table 30. Dates of onset of average daily air temperatures below 10° of various probability (in the period of temperature drop). Key: (a) Date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) average. (d) earliest. (e) For entire territory.

Table 31. Dates of onset of average daily air temperatures above 15° of various probability (in the period of temperature rise). Key: (a) Average date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) Coastal and island (I) region. (d) Western (II) region. (e) Eastern (III) region. (f) Note. The period with stable air temperature above 15° in region I is absent 5 o/o of the year, in region II - in 1-3 o/o of the year and in region III - in 7 o/o of the year.

ТАБЛИЦА 32

**ДАТЫ НАСТУПЛЕНИЯ СРЕДНИХ СУТОЧНЫХ ТЕМПЕРАТУР ВОЗДУХА НИЖЕ
15° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (В ПЕРИОД ПАДЕНИЯ ТЕМПЕРАТУРЫ)**

(a) Средняя дата	(b) Вероятность наступления в указанные даты и более ранние (%)						
	5	10	25	50	75	90	95

(c) Прибрежный и островной (I) и западный (II) районы

6 VIII	9 VII	19 VII	28 VII	6 VIII	13 VIII	20 VIII	24 VIII
11 VIII	14 VII	24 VII	2 VIII	11 VIII	18 VIII	25 VIII	29 VIII
16 VIII	19 VII	29 VII	7 VIII	16 VIII	23 VIII	30 VIII	3 IX
21 VIII	24 VII	3 VIII	12 VIII	21 VIII	28 VIII	4 IX	8 IX
26 VIII	29 VII	8 VIII	17 VIII	26 VIII	2 IX	9 IX	13 IX
1 IX	4 VIII	14 VIII	23 VIII	1 IX	8 IX	15 IX	19 IX
6 IX	9 VIII	19 VIII	28 VIII	6 IX	13 IX	20 IX	24 IX

(d) Восточный (III) район

6 VIII	24 VII	8 VIII	15 VIII	19 VIII	22 VIII
11 VIII	29 VII	13 VIII	20 VIII	24 VIII	27 VIII
16 VIII	3 VIII	18 VIII	25 VIII	29 VIII	1 IX
21 VIII	8 VIII	23 VIII	30 VIII	3 IX	6 IX
26 VIII	13 VIII	28 VIII	4 IX	8 IX	11 IX

(e) Примечание. Смотри примечание к табл. 31.

ТАБЛИЦА 33

**ПРОДОЛЖИТЕЛЬНОСТЬ ПЕРИОДА СО СРЕДНИМИ СУТОЧНЫМИ
ТЕМПЕРАТУРАМИ ВЫШЕ 0° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (ДНИ)**

(a) Продолжительность	(b) Вероятность продолжительности указанной и большей (%)							
(c) средняя	(d) наименьшая	95	90	75	50	25	10	5

(e) Западный (II) и восточный (III) районы

200	161	178	183	191	201	210	220	226
210	171	188	193	201	211	220	230	236
220	181	198	203	211	221	230	240	246
230	191	208	213	221	231	240	250	256

(f) Прибрежный и островной (I) район

210	160	180	187	196	208	225	240	250
220	170	190	197	206	218	235	250	260
230	180	200	207	216	228	245	260	270
240	190	210	217	226	238	255	270	280

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Table 32. Dates of onset of average daily air temperatures below 15° of various probability (in the period of temperature drop). Key: (a) Average date. (b) Probability of onset in the indicated dates and earlier (o/o). (c) Coastal and island (I) and western (II) regions. (d) Eastern (III) region. (e) Note. See notes for Table 31.

Table 33. Duration of the period with average daily temperatures above 0° of various probability (days). Key: (a) Duration. (b) Probability of duration indicated and greater (o/o). (c) average. (d) least. (e) Western (II) and eastern (III) regions. (f) Coastal and island (I) region.

ТАБЛИЦА 34

**ПРОДОЛЖИТЕЛЬНОСТЬ ПЕРИОДА СО СРЕДНИМИ СУТОЧНЫМИ
ТЕМПЕРАТУРАМИ ВЫШЕ 5° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (ДНИ)**

(a) Продолжительность		(b) Вероятность продолжительности указанной и большей (%)						
(c) средняя	(d) наименьшая	95	90	75	50	25	10	5
(e) Для всей территории								
150	116	131	137	143	151	158	164	170
160	126	141	147	153	161	168	174	180
170	136	151	157	163	171	178	184	190
180	146	161	167	173	181	188	194	200
190	156	171	177	183	191	198	204	210

ТАБЛИЦА 35

**ПРОДОЛЖИТЕЛЬНОСТЬ ПЕРИОДА СО СРЕДНИМИ СУТОЧНЫМИ
ТЕМПЕРАТУРАМИ ВЫШЕ 10° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (ДНИ)**

(a) Продолжительность		(b) Вероятность продолжительности указанной и большей (%)						
(c) средняя	(d) наименьшая	95	90	75	50	25	10	5
(e) Для всей территории								
100	70	80	84	92	100	109	116	121
110	80	90	94	102	110	119	126	131
120	90	100	104	112	120	129	136	141
130	100	110	114	122	130	139	146	151
140	110	120	124	132	140	149	156	161

ТАБЛИЦА 36

**ПРОДОЛЖИТЕЛЬНОСТЬ ПЕРИОДА СО СРЕДНИМИ СУТОЧНЫМИ
ТЕМПЕРАТУРАМИ ВЫШЕ 15° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (ДНИ)**

(a) Средняя продолжительность	(b) Вероятность продолжительности указанной и большей (%)						
	95	90	75	50	25	10	5
(c) Прибрежный и островной (I) и западный (II) районы							
30	6	19	31	41	50		56
40	16	29	41	51	60		66
50	26	39	51	61	70		76
60	36	49	61	71	80		86
70	46	59	71	81	90		96
80	56	69	81	91	100		106
(d) Восточный (III) район							
40	4	22	41	54	63		67
50	14	32	51	64	73		77
60	24	42	61	74	83		87
70	34	52	71	84	93		97

(e) Примечание. См. примечание к табл. 31.

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Table 34. Duration of the period with average daily temperatures above 5° of various probability (days). Key: (a) Duration. (b) Probability of duration indicated and greater (o/o). (c) average. (d) least. (e) For entire territory.

Table 35. Duration of period with average daily temperatures above 10° of various probability (days). Key: (a) Duration. (b) Probability of duration indicated and greater (o/o). (c) average. (d) least. (e) For entire territory.

Table 36. Duration of period with average daily temperatures above 15° of various probability (days). Key: (a) Average duration. (b) Probability of duration indicated and greater (o/o). (c) Coastal and island (I) and western (II) regions. (d) Eastern (III) region. (e) Note. See note to Table 31.

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ТАБЛИЦА 37

МИНИМАЛЬНАЯ ТЕМПЕРАТУРА ВОЗДУХА РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

(a) Средний из абсолютных минимумов	(b) Абсолютный минимум	(c) Вероятность минимумов указанных и более низких (%)						
		5	10	25	50	75	90	95

(d) Прибрежный и островной (I) район

-20	-30	-26	-25	-22	-20	-17	-16	-14
-21	-31	-27	-26	-23	-21	-18	-17	-15
-22	-32	-28	-27	-24	-22	-19	-18	-16
-23	-33	-29	-28	-25	-23	-20	-19	-17
-24	-34	-30	-29	-26	-24	-21	-20	-18
-25	-35	-31	-30	-27	-25	-22	-21	-19
-26	-36	-32	-31	-28	-26	-23	-22	-20
-27	-37	-33	-32	-29	-27	-24	-23	-21
-28	-38	-34	-33	-30	-28	-25	-24	-22
-29	-39	-35	-34	-31	-29	-26	-25	-23
-30	-40	-36	-35	-32	-30	-27	-26	-24

(e) Западный (II) район

-28	-40	-35	-34	-31	-28	-25	-23	-21
-29	-41	-36	-35	-32	-29	-26	-24	-22
-30	-42	-37	-36	-33	-30	-27	-25	-23
-31	-43	-38	-37	-34	-31	-28	-26	-24
-32	-44	-39	-38	-35	-32	-29	-27	-25
-33	-45	-40	-39	-36	-33	-30	-28	-26
-34	-46	-41	-40	-37	-34	-31	-29	-27

(f) Восточный (III) район

-28	-44	-38	-35	-32	-28	-24	-22	-20
-29	-45	-39	-36	-33	-29	-25	-23	-21
-30	-46	-40	-37	-34	-30	-26	-24	-22
-31	-47	-41	-38	-35	-31	-27	-25	-23
-32	-48	-42	-39	-36	-32	-28	-26	-24
-33	-49	-43	-40	-37	-33	-29	-27	-25
-34	-50	-44	-41	-38	-34	-30	-28	-26
-35	-51	-45	-42	-39	-35	-31	-29	-27
-36	-52	-46	-43	-40	-36	-32	-30	-28
-37	-53	-47	-44	-41	-37	-33	-31	-29
-38	-54	-48	-45	-42	-38	-34	-32	-30
-39	-55	-49	-46	-43	-39	-35	-33	-31
-40	-56	-50	-47	-44	-40	-36	-34	-32

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Table 37. Minimum air temperature of various probability. Key:

(a) Average of absolute minimums. (b) Absolute minimum. (c)

Probability of minimums indicated and lower (o/o). (d) Coastal

and island (I) region. (e) Western (II) region. (f) Eastern

(III) region.

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ТАБЛИЦА 38

МАКСИМАЛЬНАЯ ТЕМПЕРАТУРА ВОЗДУХА РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

(a) Средний из абсолютных максимумов	(b) Вероятность максимумов указанных и более высоких (%)							(c) Абсолютный максимум
	95	90	75	50	25	10	5	

(d) Для всей территории

23	20	21	22	23	24	26	27	28
24	21	22	23	24	25	27	28	29
25	22	23	24	25	26	28	29	30
26	23	24	25	26	27	29	30	31
27	24	25	26	27	28	30	31	32
28	25	26	27	28	29	31	32	33
29	26	27	28	29	30	32	33	34
30	27	28	29	30	31	33	34	35
31	28	29	30	31	32	34	35	36
32	29	30	31	32	33	35	36	37

ТАБЛИЦА 39

СУММЫ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ 0° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

(a) Сумма		(b) Вероятность сумм температур указанных и больших (%)						
(c) средняя	(d) наименьшая	95	90	75	50	25	10	5

(e) Для всей территории

2000	1410	1700	1750	1880	2000	2130	2250	2350
2200	1610	1900	1950	2080	2200	2330	2450	2550
2400	1810	2100	2150	2280	2400	2530	2650	2750
2600	2010	2300	2350	2480	2600	2730	2850	2950
2800	2210	2500	2550	2680	2800	2930	3050	3150

ТАБЛИЦА 40

СУММЫ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ 5° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

(a) Сумма		(b) Вероятность сумм температур указанных и больших (%)						
(c) средняя	(d) наименьшая	95	90	75	50	25	10	5

(e) Для всей территории

1800	1250	1500	1550	1670	1800	1910	2020	2130
2000	1450	1700	1750	1870	2000	2110	2220	2330
2200	1650	1900	1950	2070	2200	2310	2420	2530
2400	1850	2100	2150	2270	2400	2510	2620	2730

Table 38. Maximum air temperature of various probability. Keys:
(a) Average of absolute maximums. (b) Probability of maximums
indicated and higher (o/o). (c) Absolute maximum. (d) For
entire territory.

Table 39. Sums of air temperatures above 0° of various
probability. Key: (a) Sum. (b) Probability of sums of
temperatures indicated and greater (o/o). (c) average. (d)
least. (e) For entire territory.

Table 40. Sums of air temperatures above 5° of various
probability. Key: (a) Sum. (b) Probability of sums of
temperatures indicated and greater (o/o). (c) average. (d)
least. (e) For entire territory.

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ТАБЛИЦА 41

СУММЫ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ 10° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

(a) Сумма		(b) Вероятность сумм температур указанных и больших (%)						
(c) средняя	(d) наименьшая	95	90	75	50	25	10	5

(e) Для всей территории

1400	800	1000	1100	1250	1400	1500	1650	1750
1600	1000	1200	1300	1450	1600	1700	1850	1950
1800	1200	1400	1500	1650	1800	1900	2050	2150
2000	1400	1600	1700	1850	2000	2100	2250	2350
2200	1600	1800	1900	2050	2200	2300	2450	2550

ТАБЛИЦА 42

СУММЫ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ 15° РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

(a) Средняя сумма	(b) Вероятность сумм температур указанных и больших (%)						
	95	90	75	50	25	10	5

(c) Прибрежный и островной (I) и западный (II) районы

800	100	350	550	800	1000	1150	1300
1000	300	550	750	1000	1200	1350	1500
1200	500	750	950	1200	1400	1550	1700

(d) Восточный (III) район

600		300	600	850	1000	1100
800		500	800	1050	1200	1300
1000		700	1000	1250	1400	1500
1200		900	1200	1450	1600	1700
1400		1100	1400	1650	1800	1900

(e) Примечание. См. примечание к табл. 31.

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Table 41. Sums of air temperatures above 10° of various probability. Key: (a) Sum. (b) Probability of sums of temperatures indicated and greater (o/o). (c) average. (d) least. (e) For entire territory.

Table 42. Sums of air temperatures above 15° of various probability. Key: (a) Average sum. (b) Probability of sums of temperatures indicated and greater (o/o). (c) Coastal and island (I) and western (II) regions. (d) Eastern (III) region. (e) Note. See note to Table 31.

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ТАБЛИЦА 43

ДАТЫ, К КОТОРЫМ НАКАПЛИВАЮТСЯ СУММЫ ТЕМПЕРАТУР ВОЗДУХА ВЫШЕ 5, 10 И 15° ОПРЕДЕЛЕННОЙ ВЕЛИЧИНЫ ПРИ РАЗЛИЧНЫХ СРЕДНИХ СУММАХ

(a) Сумма темпера- тур	(b) Средние суммы температур за период со средними суточными температурами											
	(c) выше 5				(c) выше 10				(c) выше 15			
	1800	2000	2200	2400	1400	1600	1800	2000	600	800	1000	1200
	1400											1400
0		9 V	2 V		3 VI	29 V			28 VI	23 VI		
100		24 V	18 V		12 VI	7 VI			4 VII	30 VI		
200		4 VI	29 V		20 VI	16 VI			10 VII	6 VII		
300		14 VI	8 VI		27 VI	23 VI			16 VII	12 VII		
400		22 VI	15 VI		4 VII	30 VI			22 VII	18 VII		
500		29 VI	23 VI		10 VII	6 VII			28 VII	23 VII		
600		5 VII	29 VI		16 VII	12 VII			3 VIII	29 VII		
700		11 VII	5 VII		22 VII	18 VII			9 VIII	4 VIII		
800		17 VII	11 VII		28 VII	24 VII			15 VIII	8 VIII		
900		23 VII	17 VII		3 VIII	29 VII			22 VIII	15 VIII		
1000		29 VII	23 VII		9 VIII	5 VIII			28 VIII	20 VIII		
1100		4 VIII	28 VII		15 VIII	11 VIII				27 VIII		
1200		9 VIII	3 VIII		22 VIII	17 VIII				3 IX		
1300		15 VIII	9 VIII		29 VIII	23 VIII						
1400		22 VIII	15 VIII		5 IX	30 VIII						
1500		28 VIII	22 VIII		13 IX	6 IX						
1600		5 IX	28 VIII		23 IX	14 IX						
1700		13 IX	4 IX			20 IX						
1800		24 IX	11 IX			2 X						
1900		4 X	19 IX									
2000		18 X	29 IX									
2100			10 X									
2200			27 X									

(d) Островной (Ia) район

Table 43. Dates, for which are accumulated the sums of air temperatures above 5, 10 and 15° of a certain value with various average sums. Key: (a) Sum of temperatures. (b) Average sums of temperatures for the period with average daily temperatures. (c) above. (d) Island (Ia) region.

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heading same as page 255

Сумма темпера- тур	Средние суммы температур за период со средними суточными температурами													
	выше 5				выше 10				выше 15					
	1800	2000	2200	2400	1400	1600	1800	2000	600	800	1000	1200	1400	
(а) Прибрежный (I) район														
0	7 V	1 V	25 IV	19 IV	1 VI	26 V	21 V	16 V		27 VI	21 VI	14 VI	7 VI	
100	21 V	15 V	10 V	4 V	9 VI	2 VI	28 V	24 V		4 VII	28 VI	21 VI	13 VI	
200	1 VI	26 V	20 V	13 V	17 VI	10 VI	5 VI	2 VI		10 VII	4 VII	27 VI	19 VI	
300	10 VI	4 VI	29 V	24 V	24 VI	17 VI	14 VI	10 VI		15 VII	10 VII	3 VII	25 VI	
400	18 VI	12 VI	6 VI	1 VI	1 VII	25 VI	21 VI	17 VI		21 VII	16 VII	9 VII	1 VII	
500	25 VI	19 VI	14 VI	9 VI	7 VII	1 VII	26 VI	23 VI		28 VII	21 VII	15 VII	7 VII	
600	1 VII	25 VI	20 VI	15 VI	13 VII	7 VII	3 VII	29 VI		3 VIII	27 VII	20 VII	13 VII	
700	8 VII	1 VII	26 VI	21 VI	20 VII	14 VII	10 VII	6 VII		11 VIII	2 VIII	25 VII	19 VII	
800	13 VII	7 VII	3 VII	28 VI	26 VII	20 VII	15 VII	12 VII		18 VIII	8 VIII	31 VII	25 VII	
900	20 VII	13 VII	9 VII	4 VII	1 VIII	25 VII	21 VII	17 VII			14 VIII	6 VIII	30 VII	
1000	27 VII	20 VII	15 VII	9 VII	8 VIII	31 VII	26 VII	23 VII			21 VIII	12 VIII	4 VIII	
1100	1 VIII	25 VII	20 VII	15 VII	15 VIII	7 VIII	1 VIII	29 VII				18 VIII	10 VIII	
1200	7 VIII	31 VII	25 VII	20 VII	22 VIII	14 VIII	8 VIII	3 VIII				23 VIII	15 VIII	
1300	13 VIII	5 VIII	31 VII	25 VII	29 VIII	20 VIII	13 VIII	8 VIII					23 VIII	
1400	20 VIII	12 VIII	5 VIII	30 VII	7 IX	26 VIII	19 VIII	13 VIII					30 VIII	
1500	28 VIII	19 VIII	13 VIII	5 VIII		3 IX	26 VIII	18 VIII						
1600	4 IX	25 VIII	18 VIII	11 VIII		13 IX	2 IX	25 VIII						
1700	17 IX	2 IX	25 VIII	17 VIII			11 IX	1 IX						
1800	30 IX	11 IX	2 IX	23 VIII			23 IX	7 IX						
1900		22 IX	10 IX	30 VIII				16 IX						

(a) Coastal (I) region.

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2000	4 X	16 IX	6 IX	23 IX
2100		30 IX	14 IX	
2200		12 X	23 IX	
2300			4 X	
2400			17 X	

(α) Западный (II) и восточный (III) районы

0	3 V	25 IV	20 IV	15 IV	27 V	20 V	15 V	7 V	27 VI	21 VI	18 VI	11 VI	6 VI
100	16 V	8 V	5 V	30 IV	4 VI	29 V	23 V	16 V	3 VII	27 VI	24 VI	18 VI	12 VI
200	27 V	20 V	15 V	10 V	13 VI	7 VI	1 VI	25 V	10 VII	4 VII	30 VI	24 VI	17 VI
300	5 VI	29 V	24 V	18 V	19 VI	12 VI	8 VI	1 VI	16 VII	9 VII	6 VII	30 VI	24 VI
400	12 VI	5 VI	2 VI	26 V	27 VI	20 VI	15 VI	8 VI	22 VII	15 VII	12 VII	6 VII	30 VI
500	20 VI	13 VI	9 VI	2 VI	3 VII	26 VI	22 VI	15 VI	29 VII	21 VII	18 VII	12 VII	5 VII
600	27 VI	20 VI	16 VI	10 VI	10 VII	2 VII	28 VI	21 VI	4 VIII	27 VII	22 VII	17 VII	11 VII
700	3 VII	27 VI	23 VI	17 VI	16 VII	8 VIII	4 VIII	27 VI		2 VIII	29 VII	23 VII	17 VII
800	8 VIII	2 VII	29 VI	23 VI	22 VII	14 VIII	11 VIII	3 VII	9 VIII	4 VIII	29 VII	23 VII	
900	15 VIII	8 VIII	5 VIII	30 VI	29 VII	21 VIII	16 VIII	9 VII		12 VIII	4 VIII	29 VII	
1000	21 VIII	14 VIII	11 VIII	5 VIII	4 VIII	26 VIII	22 VIII	15 VIII		24 VIII	11 VIII	3 VIII	
1100	27 VIII	20 VIII	17 VIII	11 VIII	12 VIII	1 VIII	28 VIII	20 VIII			16 VIII	9 VIII	
1200	3 VIII	26 VIII	22 VIII	17 VIII	18 VIII	7 VIII	3 VIII	26 VIII			24 VIII	15 VIII	
1300	10 VIII	1 VIII	28 VIII	23 VIII	25 VIII	14 VIII	9 VIII	1 VIII				20 VIII	
1400	16 VIII	7 VIII	4 VIII	29 VIII	9 IX	21 VIII	13 VIII	7 VIII				26 VIII	
1500	24 VIII	14 VIII	10 VIII	3 VIII		28 VIII	23 VIII	14 VIII					
1600	2 IX	24 VIII	16 VIII	10 VIII		6 IX	30 VIII	20 VIII					
1700	11 IX	30 VIII	23 VIII	17 VIII			8 IX	27 VIII					
1800	23 IX	8 IX	30 VIII	22 VIII			20 IX	4 IX					
1900		20 IX	6 IX	27 VIII				11 IX					
2000		7 X	17 IX	6 IX				19 IX					
2100			29 IX	43 IX									
2200			17 X	21 IX									
2300				1 X									
2400				15 X									

(α) Western (II) and eastern (III) regions.

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ТАБЛИЦА 44

ДАТЫ ПЕРВОГО ЗАМОРОЗКА РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

(a) Дата		(b) Вероятность заморозка в указанные даты и более ранние (%)						
(c) средняя	(d) самая ранняя	5	10	25	50	75	90	95
(e) Для всей территории								
1 IX	2 VIII	10 VIII	14 VIII	22 VIII	3 IX	6 IX	18 IX	26 IX
11 IX	12 VIII	20 VIII	24 VIII	1 IX	13 IX	16 IX	28 IX	6 X
21 IX	22 VIII	30 VIII	3 IX	11 IX	23 IX	26 IX	8 X	16 X
1 X	1 IX	9 IX	13 IX	21 IX	3 X	6 X	18 X	26 X
11 X	11 IX	19 IX	23 IX	1 X	13 X	16 X	28 X	5 XI
21 X	21 IX	29 IX	3 X	11 X	23 X	26 X	7 XI	15 XI
1 XI	2 X	10 X	14 X	22 X	3 XI	6 XI	18 XI	26 XI

ТАБЛИЦА 45

ДАТЫ ПОСЛЕДНЕГО ЗАМОРОЗКА РАЗЛИЧНОЙ ВЕРОЯТНОСТИ

(a) Вероятность заморозка в указанные даты и более поздние (%)		(c) Самая поздняя						
(b) Средняя	(d) Для всей территории	95	90	75	50	25	10	5
		95	90	75	50	25	10	5
1 V	6 IV	13 IV	21 IV	3 V	11 V	18 V	23 V	31 V
11 V	16 IV	23 IV	1 V	13 V	21 V	28 V	2 VI	10 VI
21 V	26 IV	3 V	11 V	23 V	31 V	7 VI	12 VI	20 VI
1 VI	7 V	14 V	22 V	3 VI	11 VI	18 VI	23 VI	1 VII
11 VI	17 V	24 V	1 VI	13 VI	21 VI	28 VI	3 VII	11 VII

ТАБЛИЦА 46

ПРОДОЛЖИТЕЛЬНОСТЬ БЕЗМОРОЗНОГО ПЕРИОДА РАЗЛИЧНОЙ ВЕРОЯТНОСТИ (ДНИ)

(a) Продолжительность		(b) Вероятность продолжительности указанной и большей (%)						
(c) средняя	(d) наименьшая	95	90	75	50	25	10	5
	(e) Прибрежный (I), западный (II) и восточный (III) районы							
100	60	80	83	93	105	115	130	140
120	80	100	103	113	125	135	150	160
140	100	120	123	133	145	155	170	180
160	120	140	143	153	165	175	190	200
(f) Северо-восточный (IIIa) район								
80	30	55	63	73	85	95	110	120
100	50	75	83	93	105	115	130	140
120	70	95	103	113	125	135	150	160
140	90	115	123	133	145	155	170	180

Table 44. Dates of first frost of various probability. Key: (a) Date. (b) Probability of frost in indicated dates and earlier (o/o). (c) average. (d) earliest. (e) For entire territory.

Table 45. Dates of onset of frost of various probability. Key: (a) Average. (b) Probability of frost in indicated dates and later (o/o). (c) Latest. (d) For entire territory.

Table 46. Duration of frost-free period of various probability (days). Key: (a) Duration. (b) Probability of duration indicated and greater (o/o). (c) average. (d) least. (e) Coastal (I), western (II) and eastern (III) regions. (f) Northeastern (IIIA) region.

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SECTION 2

SOIL TEMPERATURE

435

MEAN MONTHLY, MAXIMUM AND MINIMUM TEMPERATURE
OF THE SOIL SURFACE

Table 1
ТАБЛИЦА 1

СРЕДНЯЯ МЕСЯЧНАЯ, МАКСИМАЛЬНАЯ И МИНИМАЛЬНАЯ ТЕМПЕРАТУРА
ПОВЕРХНОСТИ ПОЧВЫ

Temperature of soil surface	Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
ЛЕНИНГРАДСКАЯ ОБЛАСТЬ Leningrad Oblast														
Tokari 1. Токари Soil podzolic, sandy														
Почва подзолистая, песчаная														
Mean	Среди.	-11	-11	-8	0	9	15	19	16	9	2	-3	-9	2
Mean max.	Среди. макс.	-8	-6	-1	7	21	28	31	28	18	6	-1	-6	10
Mean min.	Среди. мин.	-16	-17	-15	-6	1	7	10	8	4	-1	-7	-13	-4
Lesogorskiy 2. Лесогорский Soil podzolic, loamy														
Почва подзолистая, суглинистая														
Mean	Среди.	-9	-10	-8	1	11	18	20	16	9	3	-2	-6	4
Mean max.	Среди. макс.	-6	-6	0	9	24	32	34	29	19	8	1	-4	12
Abs. max.	Абс. макс.	3	4	13	32	48	51	51	53	36	25	10	8	53
Mean min.	Среди. мин.	-15	-16	-14	-6	1	6	11	8	4	-1	-5	-11	-3
Abs. min.	Абс. мин.	-45	-42	-39	-29	-11	-6	1	-3	-7	-17	-32	-42	-45
Priozersk 3. Приозерск Soil podzolic, sandy loam														
Почва подзолистая, супесчаная														
Mean	Среди.	-9	-10	-8	1	10	17	20	17	10	4	-1	-6	4
Mean max.	Среди. макс.	-6	-5	0	9	22	30	34	30	20	8	1	-3	12
Abs. max.	Абс. макс.	4	6	13	29	44	51	52	48	39	24	11	5	52
Mean min.	Среди. мин.	-14	-16	-14	-4	3	7	11	9	5	0	-4	-10	-2
Abs. min.	Абс. мин.	-43	-43	-38	-30	-9	-5	1	0	-8	-16	-28	-38	-43
Voznesen'ye 4. Вознесенье Soil podzolic, sandy loam														
Почва подзолистая, супесчаная														
Mean	Среди.	-10	-11	-8	1	10	16	20	17	10	3	-3	-8	3
Mean max.	Среди. макс.	-7	-6	-1	8	21	28	33	29	18	7	0	-5	10
Abs. max.	Абс. макс.	4	4	12	26	40	47	50	45	37	24	10	7	50
Mean min.	Среди. мин.	-16	-17	-14	-5	2	8	10	9	5	-1	-6	-12	-3
Abs. min.	Абс. мин.	-48	-40	-34	-29	-12	-7	1	-2	-4	-23	-32	-43	-48
Vyborg 10. Выборг Soil podzolic, sandy														
Почва подзолистая, песчаная и супесчаная and sandy loam														
Mean	Среди.	-8	-9	-6	2	11	17	20	17	11	4	-1	-6	4
Mean max.	Среди. макс.	-5	-5	0	11	24	31	36	30	20	8	1	-3	12
Abs. max.	Абс. макс.	6	8	14	34	48	50	54	50	40	24	12	6	54
Mean min.	Среди. мин.	-13	-15	-12	-3	3	9	12	11	6	1	-4	-9	-1
Abs. min.	Абс. мин.	-40	-43	-35	-25	-10	-4	1	-3	-8	-16	-28	-39	-43
Lodeynoye Pole 11. Лодейное Поле Soil podzolic, sandy and sandy loam														
Почва подзолистая, песчаная и супесчаная														
Mean	Среди.	-10	-11	-7	1	12	18	20	17	10	3	-3	-8	4
Mean max.	Среди. макс.	-7	-6	-1	9	25	32	35	30	20	8	0	-5	12
Abs. max.	Абс. макс.	3	5	13	32	46	50	51	49	40	24	12	6	51
Mean min.	Среди. мин.	-16	-18	-15	-5	7	11	9	4	-1	-6	-12	-3	
Abs. min.	Абс. мин.	-54	-47	-41	-31	-13	-6	0	-1	-9	-23	-31	-44	-54

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Temperature of soil surface

Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year
	Год												

Vinitsy

13. Винницы

Почва подзолистая, суглинистая, с примесью песка

Soil podzolic, loamy with admixture of sand

Mean	Среди	-11	-11	-8	0	10	15	19	16	9	2	-3	-8	2
M. max	Среди макс.	-8	-6	0	9	23	29	32	28	19	7	-1	-6	10
A. max	Абс. макс.	3	4	13	30	39	50	48	45	36	22	11	7	50
M. min	Среди мин.	-16	-17	-15	-5	1	6	10	9	4	-1	-6	-12	-4
A. min	Абс. мин.	-55	-46	-44	-33	-19	-8	0	-3	-9	-24	-37	-47	-55

Sosnovo

14. Сосново

Почва подзолистая, песчаная и суглинистая

Soil podzolic, sandy and sandy loam

Mean	Среди	-9	-10	-7	1	10	17	20	16	10	3	-2	-6	4
M. max	Среди макс.	-6	-6	0	9	23	33	35	30	20	8	1	-4	12
A. max	Абс. макс.	4	5	13	31	44	50	51	47	40	26	11	8	51
M. min	Среди мин.	-15	-16	-14	-5	1	7	10	9	4	-1	-5	-10	-3
A. min	Абс. мин.	-46	-44	-40	-31	-16	-5	0	-2	-7	-18	-32	-40	-46

Sviritsa

16. Свирица

Почва подзолистая, суглинистая

Soil podzolic, loamy

Mean	Среди	-10	-10	-7	1	11	18	21	18	10	3	-2	-7	4
M. max	Среди макс.	-6	-6	0	9	23	31	35	30	20	8	0	-5	12
A. max	Абс. макс.	4	4	11	35	45	53	52	48	43	25	12	6	53
M. min	Среди мин.	-15	-17	-14	-5	2	8	12	10	5	0	-5	-12	-3
A. min	Абс. мин.	-52	-43	-40	-28	-11	-6	2	-1	-8	-19	-29	-45	-52

Primorsk

21. Приморск

Почва подзолистая, суглинистая, песчаная

Soil podzolic, sandy loam, sandy

Mean	Среди	-8	-9	-7	1	11	17	21	18	11	5	0	-5	4
M. max	Среди макс.	-5	-5	1	9	22	30	34	30	20	9	2	-2	12
A. max	Абс. макс.	5	5	13	28	45	52	57	48	40	24	11	7	57
M. min	Среди мин.	-13	-16	-14	-5	3	9	12	11	6	2	-3	-8	-1
A. min	Абс. мин.	-43	-43	-38	-30	-8	-1	2	-1	-4	-14	-24	-37	-43

Roshchino

25. Рошино

Почва подзолистая, суглинистая

Soil podzolic, loamy

Mean	Среди	-9	-10	-6	1	10	17	20	17	10	4	-2	-6	4
M. max	Среди макс.	-6	-6	-1	8	22	30	34	29	19	8	0	-4	11
A. max	Абс. макс.	4	3	12	30	42	48	51	46	36	24	10	7	51
M. min	Среди мин.	-13	-14	-11	-4	3	8	11	10	5	0	-4	-9	-2
A. min	Абс. мин.	-40	-38	-32	-23	-13	-3	3	-2	-3	-13	-27	-36	-40

Ozerki

27. Озерки

Почва — песок

Soil — sand

Mean	Среди	-9	-10	-7	1	12	19	22	19	11	5	-1	-5	5
M. max	Среди макс.	-5	-5	0	10	27	35	38	33	22	10	2	-3	14
A. max	Абс. макс.	4	4	12	37	52	56	59	53	40	27	11	6	59
M. min	Среди мин.	-14	-16	-13	-4	3	8	12	10	6	1	-4	-9	-2
A. min	Абс. мин.	-42	-41	-38	-28	-9	-6	0	-2	-4	-16	-25	-40	-42

Toksovo

29. Токсово

Почва подзолистая, суглинистая, песчаная

Soil podzolic, sandy loam, sandy

Mean	Среди	-9	-10	-6	1	10	16	20	16	10	3	-2	-6	4
M. max	Среди макс.	-6	-6	-1	7	21	28	32	28	19	8	0	-4	10
A. max	Абс. макс.	4	3	10	27	40	46	48	47	37	23	10	8	48
M. min	Среди мин.	-13	-14	-11	-4	3	8	11	10	5	0	-5	-10	-2
A. min	Абс. мин.	-40	-39	-33	-25	-9	-3	2	0	-5	-15	-25	-37	-40

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Temperature
of soil surface

Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
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Osinovets

30. Осиновец

Soil podzolic, sandy
and sandy loam

Mean
M.max
A.max
M.min
A.min

	Почва подзолистая, песчаная и супесчаная												
Средн.	-9	-9	-7	2	12	18	21	18	11	4	-1	-6	4
Средн. макс.	-6	-5	0	12	26	34	37	32	21	8	1	-4	13
Абс. макс.	4	4	12	36	45	51	52	51	42	24	10	7	52
Средн. мин.	-13	-15	-12	-4	3	8	12	10	5	0	-4	-9	-1
Абс. мин.	-40	-42	-33	-25	-10	-2	2	0	-5	-16	-23	-35	-42

Novaya Ladoga

33. Новая Ладога

Soil podzolic, sandy
and sandy loam

Mean
M.max
A.max
M.min
A.min

	Почва подзолистая, песчаная и супесчаная												
Средн.	-10	-10	-7	2	12	18	21	18	11	4	-2	-7	4
Средн. макс.	-6	-5	0	11	25	33	35	30	20	8	0	-4	12
Абс. макс.	2	5	11	36	47	52	51	47	41	23	12	8	52
Средн. мин.	-14	-15	-13	-3	3	8	12	10	6	0	-5	-10	-2
Абс. мин.	-48	-45	-39	-28	-13	-3	2	1	-4	-19	-27	-41	-48

Gogland

35. Гогланд

Soil podzolic, sandy

Mean
M.max
A.max
M.min
A.min

	Почва подзолистая, песчаная												
Средн.	-6	-7	-5	2	11	18	22	19	12	6	1	-3	6
Средн. макс.	-4	-4	0	10	24	34	36	32	22	11	3	-1	14
Абс. макс.	5	3	14	29	46	51	53	51	40	26	12	8	53
Средн. мин.	-9	-12	-10	-3	3	9	13	12	8	3	-1	-5	1
Абс. мин.	-32	-34	-32	-24	-6	-2	5	3	-3	-8	-14	-30	-34

Moshchnyy

38. Мощный

Soil podzolic, sandy

Mean
M.max
A.max
M.min
A.min

	Почва подзолистая, песчаная												
Средн.	-6	-8	-6	1	12	19	22	19	12	5	1	-3	6
Средн. макс.	-4	-4	0	10	26	35	37	32	22	10	2	-1	14
Абс. макс.	5	4	13	34	51	54	53	50	40	26	11	8	54
Средн. мин.	-10	-13	-11	-4	3	8	12	11	6	2	-2	-6	0
Абс. мин.	-34	-34	-33	-24	-9	-2	4	-2	-4	-10	-16	-31	-34

Lisiy Nos

39. Лисий Нос

Soil - sand

Mean
M.max
A.max
M.min
A.min

	Почва - песок												
Средн.	-9	-9	-6	2	13	20	23	19	12	4	-1	-6	5
Средн. макс.	-6	-5	0	12	27	35	38	33	22	9	1	-4	14
Абс. макс.	5	4	10	34	50	53	55	50	41	24	12	6	55
Средн. мин.	-13	-15	-12	-4	4	10	13	12	7	2	-4	-9	-1
Абс. мин.	-41	-41	-36	-30	-6	-1	4	0	-4	-15	-23	-37	-41

Kronshtadt

42. Кронштадт

Soil - fill

Mean
M.max
A.max
M.min
A.min

	Почва насыпная												
Средн.	-8	-9	-5	3	12	18	21	18	12	4	-1	-5	5
Средн. макс.	-5	-4	1	12	26	35	38	32	21	8	1	-3	13
Абс. макс.	6	5	16	38	47	53	53	52	44	22	11	8	53
Средн. мин.	-12	-14	-11	-3	4	10	14	12	7	1	-3	-8	0
Абс. мин.	-39	-36	-34	-21	-10	0	3	2	-3	-14	-22	-35	-39

Lebyazh'ye

44. Лебяжье

Soil podzolic, sandy

Mean
Mean max
Mean min

	Почва подзолистая, песчаная												
Средн.	-8	-9	-6	2	12	18	22	18	11	4	-1	-6	5
Средн. макс.	-5	-5	0	11	25	32	35	31	20	8	1	-3	12
Средн. мин.	-13	-15	-12	-4	3	9	12	11	6	1	-3	-9	-1

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Temperature
of soil surface

Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
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Leningrad, GMO 45. Ленинград, ГМО Soil - fill

Почва насыпная

Mean	Среди.	-8	-9	-5	3	12	18	21	18	11	4	-1	-6	5
M. max	Среди. макс.	-5	-4	1	12	26	33	35	30	21	9	1	-3	13
A. max	Абс. макс.	5	5	16	34	46	50	52	50	39	25	11	8	52
M. min	Среди. мин.	-13	-15	-11	-2	4	9	12	11	6	1	-4	-9	-1
A. min	Абс. мин.	-42	-41	-36	-25	-8	-2	3	0	-5	-15	-32	-38	-42

Voyeykovo

46. Воейково

Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Среди.	-9	-9	-6	2	11	17	20	16	10	4	-2	-6	4
M. max	Среди. макс.	-6	-5	0	9	23	31	34	29	19	8	0	-4	12
A. max	Абс. макс.	2	4	13	30	41	48	51	50	38	24	11	8	51
M. min	Среди. мин.	-13	-14	-11	-3	3	8	11	10	5	0	-5	-9	-2
A. min	Абс. мин.	-40	-40	-34	-26	-8	-4	0	0	-5	-16	-30	-38	-40

Shugozero

47. Шугозеро

Soil podzolic, sandy and
sandy loam

Почва подзолистая, песчаная и супесчаная

Mean	Среди.	-11	-11	-8	1	11	17	19	16	9	3	-3	-8	3
M. max	Среди. макс.	-7	-6	0	9	23	30	34	29	20	7	0	-5	11
A. max	Абс. макс.	4	4	13	32	43	50	52	46	38	24	13	7	52
M. min	Среди. мин.	-16	-17	-15	-5	1	7	10	8	3	-1	-6	-12	-4
A. min	Абс. мин.	-59	-48	-44	-30	-13	-8	-1	-4	-7	-22	-32	-48	-59

Petrokrepost'

49. Петрокрепость Soil podzolic, sandy loam
and sandy

Почва подзолистая, супесчаная и песчаная

Mean	Среди.	-9	-9	-6	2	10	16	19	17	10	4	-1	-6	4
M. max	Среди. макс.	-5	-5	0	10	19	26	30	27	19	8	1	-4	10
A. max	Абс. макс.	4	5	13	28	34	42	45	44	36	24	11	8	45
M. min	Среди. мин.	-13	-15	-12	-3	2	8	11	10	5	0	-4	-9	-2
A. min	Абс. мин.	-43	-43	-35	-26	-9	-2	2	0	-4	-19	-27	-37	-43

Lomonosov

52. Ломоносов

Soil podzolic, sand loam
and sandy

Почва подзолистая, супесчаная и песчаная

Mean	Среди.	-8	-9	-6	2	11	17	20	17	11	4	-1	-5	5
M. max	Среди. макс.	-5	-4	1	11	24	31	33	29	20	8	1	-3	12
A. max	Абс. макс.	5	6	19	34	45	50	50	49	41	24	12	8	50
M. min	Среди. мин.	-12	-14	-11	-2	4	10	13	11	6	1	-3	-8	0
A. min	Абс. мин.	-38	-40	-35	-26	-8	0	5	2	-5	-14	-20	-36	-40

Nevskaya

53. Невская (г. Ленинград)

Soil - fill

(city of Leningrad)

Почва насыпная

Mean	Среди.	-8	-9	-6	3	12	18	21	17	11	4	-1	-6	5
M. max	Среди. макс.	-5	-5	1	11	24	31	34	29	20	8	1	-3	12
M. min	Среди. мин.	-13	-14	-11	-2	4	9	13	11	6	1	-4	-9	-1

Novo-Saratovskaya

61. Ново-Саратовская

Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Среди.	-8	-9	-5	3	10	16	19	17	10	4	-1	-6	4
M. max	Среди. макс.	-5	-5	1	10	21	28	31	28	19	9	1	-4	11
M. min	Среди. мин.	-12	-14	-10	-2	3	8	11	10	5	1	-4	-8	-1

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Temperature of soil surface

Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
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Staroye Garkolovo 62. Старое Гарколово Soil podzolic, sandy

Почва подзолистая, песчаная

Mean	Среди	-8	-8	-6	2	13	19	22	19	12	5	0	-5	5
M.max	Среди макс.	-5	-4	0	12	26	34	35	32	21	9	2	-3	13
A.max	Абс. макс.	4	5	13	37	47	51	52	49	40	25	12	9	52
M.min	Среди мин.	-12	-14	-11	-3	3	9	12	11	6	2	-3	-8	-1
A.min	Абс. мин.	-43	-38	-33	-26	-8	-1	2	0	-5	-14	-20	-36	-43

Pushkin

67. Пушкин Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Среди	-9	-10	-7	2	11	18	21	17	11	4	-2	-6	4
M.max	Среди макс.	-6	-5	1	10	24	31	34	30	20	8	1	-4	12
A.max	Абс. макс.	6	5	14	29	40	49	52	48	38	23	11	6	52
M.min	Среди мин.	-14	-16	-12	-4	3	9	12	10	5	0	-5	-10	-2
A.min	Абс. мин.	-42	-41	-37	-28	-8	-3	4	0	-5	-20	-28	-39	-42

Kipen'

74. Кипень Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Среди	-9	-10	-7	1	11	17	20	17	10	3	-2	-6	4
Mean max	Среди макс.	-7	-5	1	10	24	30	32	29	18	8	1	-4	12
Mean min	Среди мин.	-15	-16	-13	-4	3	8	11	9	5	0	-5	-10	-2

Sablino

75. Саблино Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Среди	-9	-10	-7	2	11	17	20	17	10	4	-2	-6	4
M.max	Среди макс.	-6	-4	1	11	24	31	34	30	20	9	1	-4	12
A.max	Абс. макс.	3	5	14	28	44	49	50	48	37	25	11	8	50
M.min	Среди мин.	-15	-16	-13	-3	3	8	11	9	4	0	-5	-10	-2
A.min	Абс. мин.	-50	-47	-38	-30	-8	-4	1	-1	-6	-21	-33	-41	-50

Tikhvin

76. Тихвин Soil podzolic, sandy loam

Почва подзолистая, супесчаная

Mean	Среди	-10	-10	-7	2	11	17	20	16	10	3	-3	-7	3
M.max	Среди макс.	-7	-5	0	10	24	30	34	29	20	8	0	-5	12
A.max	Абс. макс.	3	4	13	33	45	53	53	48	40	25	12	8	53
M.min	Среди мин.	-16	-17	-14	-4	2	7	10	9	4	-1	-6	-12	-3
A.min	Абс. мин.	-55	-47	-40	-30	-10	-7	0	-2	-7	-22	-34	-43	-55

Yefimovskaya

78. Ефимовская Soil podzolic, sandy loam

Почва подзолистая, супесчаная

Mean	Среди	-11	-11	-8	0	11	17	20	16	9	2	-4	-9	3
M.max	Среди макс.	-8	-6	1	8	24	30	33	30	19	7	-1	-6	11
A.max	Абс. макс.	2	3	12	36	44	50	48	47	40	23	10	6	50
M.min	Среди мин.	-17	-18	-15	-5	2	7	10	9	4	-1	-7	-13	-4
A.min	Абс. мин.	-57	-46	-45	-32	-12	-8	0	-3	-8	-27	-35	-49	-57

Volosovo

79. Волосово Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Среди	-9	-10	-7	1	10	16	19	16	10	3	-2	-6	4
M.max	Среди макс.	-6	-5	1	10	23	30	32	28	19	8	0	-4	11
A.max	Абс. макс.	4	5	14	28	45	50	48	49	34	24	11	7	50
M.min	Среди мин.	-14	-16	-14	-4	2	7	11	9	4	0	-4	-10	-2
A.min	Абс. мин.	-46	-43	-41	-34	-9	-4	0	-2	-8	-26	-30	-44	-46

Temperature
of soil surface

Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
Kingisepp 81. Кингисепп Soil podzolic, loamy Почва подзолистая, суглинистая													
Mean Средн.	-8	-9	-6	3	12	17	20	17	11	4	-1	-5	4
M. max Средн. макс.	-5	-4	1	11	23	29	32	28	20	10	1	-3	12
A. max Абс. макс.	4	6	16	34	45	47	49	45	38	25	12	9	49
M. min Средн. мин.	-14	-15	-13	-3	3	8	11	10	6	1	-4	-9	-2
A. min Абс. мин.	-47	-46	-41	-31	-8	-5	0	-1	-7	-17	-31	-41	-47
Belogorka 82. Белогорка Soil podzolic, loamy Почва подзолистая, суглинистая													
Mean Средн.	-9	-10	-7	2	12	17	20	17	10	4	-2	-6	4
M. max Средн. макс.	-6	-4	1	10	24	31	33	29	20	9	1	-4	12
A. max Абс. макс.	4	6	14	31	40	48	52	49	37	25	12	7	52
M. min Средн. мин.	-15	-17	-14	-4	3	8	11	9	5	0	-5	-10	-2
A. min Абс. мин.	-46	-46	-41	-32	-8	-5	2	-2	-7	-20	-30	-44	-46
Lyuban' 83. Любань Soil podzolic, loamy Почва подзолистая, суглинистая													
Mean Средн.	-9	-10	-7	3	12	18	21	17	10	4	-2	-6	4
M. max Средн. макс.	-6	-5	1	12	26	33	36	30	21	9	1	-4	13
A. max Абс. макс.	3	5	18	36	46	54	53	53	41	25	12	8	54
M. min Средн. мин.	-14	-16	-13	-3	3	8	11	9	4	0	-5	-10	-2
A. min Абс. мин.	-53	-45	-40	-30	-9	-4	-1	-2	-7	-21	-33	-42	-53
Budogoshch' 85. Будогощь Soil podzolic, sandy Почва подзолистая, песчаная													
Mean Средн.	-10	-10	-6	3	13	18	21	17	10	4	-2	-7	4
M. max Средн. макс.	-6	-5	1	13	27	33	36	31	21	8	0	-4	13
A. max Абс. макс.	3	5	15	38	48	56	52	50	41	27	12	8	56
M. min Средн. мин.	-15	-16	-12	-3	3	8	11	10	5	0	-6	-11	-2
A. min Абс. мин.	-54	-46	-41	-28	-10	-6	1	-2	-6	-22	-30	-42	-54
Os'mino 87. Осьмино Soil podzolic, loamy Почва подзолистая, суглинистая													
Mean Средн.	-8	-9	-6	2	11	16	20	16	10	4	-1	-6	4
M. max Средн. макс.	-5	-4	0	10	22	28	32	28	20	9	1	-3	11
A. max Абс. макс.	5	5	14	30	37	43	45	45	36	25	11	9	45
M. min Средн. мин.	-13	-15	-13	-3	3	8	11	9	5	0	-4	-9	-2
A. min Абс. мин.	-45	-44	-39	-35	-6	-5	2	-1	-9	-18	-30	-41	-45
Nikolayevskoye 82. Николаевское Soil podzolic, loamy Почва подзолистая, суглинистая													
Mean Средн.	-9	-9	-7	2	12	18	20	17	11	4	-1	-6	4
M. max Средн. макс.	-6	-5	0	10	25	30	33	30	20	9	1	-4	12
A. max Абс. макс.	6	5	14	36	46	47	48	47	39	25	12	9	48
M. min Средн. мин.	-14	-15	-12	-4	3	8	11	10	5	0	-4	-10	-2
A. min Абс. мин.	-44	-44	-38	-29	-10	-5	2	-1	-7	-18	-25	-41	-44
NOVGORODSKAYA OBLAST' NOVGORODSKAYA OBLAST' Khvoynaya 94. Хвойная Soil podzolic, sandy Почва подзолистая, песчаная													
Mean Средн.	-11	-11	-7	3	12	18	20	17	10	3	-3	-8	4
M. max Средн. макс.	-7	-5	1	14	26	32	34	30	20	8	0	-6	12
A. max Абс. макс.	4	4	14	36	46	53	52	48	42	26	12	7	53
M. min Средн. мин.	-17	-18	-14	-4	3	8	11	9	4	-1	-7	-13	-3
A. min Абс. мин.	-55	-47	-40	-29	-11	-6	2	-1	-6	-28	-34	-47	-55

Temperature
of soil surface

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Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
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Kamenka

95. Каменка Soil podzolic, sandy,

Почва подзолистая, песчаная, супесчаная sandy loam

Mean	Среди.	-11	-11	-7	1	11	17	20	16	9	3	-3	-8	3
M.max	Среди. макс.	-7	-6	0	8	23	30	33	29	19	8	-1	-6	11
A.max	Абс. макс.	2	5	12	30	45	52	53	46	37	24	10	6	53
M.min	Среди. мин.	-16	-17	-14	-5	2	7	10	9	4	-1	-6	-12	-3
A.min	Абс. мин.	-54	-49	-39	-30	-10	-7	1	-3	-8	-23	-32	-47	-54

Vereb'ye

96. Веребье Soil podzolic, sandy

Почва подзолистая, супесчаная loam

Mean	Среди.	-10	-10	-6	3	12	17	20	17	10	4	-2	-7	4
M.max	Среди. макс.	-6	-5	1	12	24	31	33	29	20	8	0	-4	12
A.max	Абс. макс.	4	5	15	30	48	50	51	45	41	24	14	8	51
M.min	Среди. мин.	-15	-16	-12	-3	3	8	11	10	5	0	-6	-11	-2
A.min	Абс. мин.	-53	-45	-37	-30	-9	-6	-1	0	-6	-21	-31	-43	-53

Okhony

99. Охоны Soil podzolic, sandy

Почва подзолистая, супесчаная loam

Mean	Среди.	-11	-11	-7	1	12	18	21	17	10	3	-3	-8	3
M.max	Среди. макс.	-8	-6	0	9	26	33	35	30	20	8	-1	-5	12
A.max	Абс. макс.	3	2	13	37	44	52	53	41	26	12	6	53	
M.min	Среди. мин.	-17	-18	-14	-4	3	8	11	10	4	-1	-6	-12	-3
A.min	Абс. мин.	-54	-44	-36	-29	-8	-5	1	-2	-7	-24	-32	-45	-54

Novgorod

100. Новгород Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Среди.	-9	-9	-6	3	12	18	20	17	11	4	-1	-6	5
M.max	Среди. макс.	-6	-5	0	11	26	32	34	30	20	9	1	-4	12
A.max	Абс. макс.	5	4	12	35	45	53	50	47	38	23	12	8	53
M.min	Среди. мин.	-14	-15	-12	-3	3	8	11	10	5	0	-4	-10	-2
A.min	Абс. мин.	-47	-40	-35	-25	-9	-4	1	-1	-10	-22	-28	-41	-47

Borovichy

101. Боровичи Soil podzolic, sandy,

Почва подзолистая, песчаная, супесчаная sandy loam

Mean	Среди.	-10	-10	-6	4	13	19	22	18	11	3	-2	-7	4
M.max	Среди. макс.	-6	-5	1	13	28	34	37	32	21	9	0	-5	13
A.max	Абс. макс.	2	5	14	39	46	55	54	52	43	29	14	7	55
M.min	Среди. мин.	-15	-16	-13	-2	4	9	12	10	5	0	-5	-11	-2
A.min	Абс. мин.	-57	-43	-38	-30	-9	-5	3	-1	-7	-22	-30	-45	-57

Voytsy

102. Войцы Soil podzolic, sandy

Почва подзолистая, песчаная

Mean	Среди.	-9	-9	-6	3	13	18	21	18	11	4	-1	-6	5
M.max	Среди. макс.	-6	-5	1	11	26	31	34	31	21	9	1	-4	13
A.max	Абс. макс.	5	5	13	36	52	51	50	49	41	24	16	5	52
M.min	Среди. мин.	-13	-14	-11	-3	5	10	13	11	6	1	-4	-10	-1
A.min	Абс. мин.	-46	-44	-34	-26	-7	0	4	0	-6	-21	-27	-40	-46

Okulovka

103. Окуловка Soil podzolic, loamy,

Почва подзолистая, суглинистая, глинистая clayey

Mean	Среди.	-10	-10	-6	3	12	17	20	17	10	4	-2	-7	4
M.max	Среди. макс.	-7	-5	1	11	24	31	32	29	20	8	0	-5	12
A.max	Абс. макс.	4	6	14	35	42	50	48	44	40	25	14	7	50
M.min	Среди. мин.	-16	-16	-13	-3	4	8	11	9	5	0	-5	-11	-2
A.min	Абс. мин.	-52	-45	-39	-27	-8	-5	1	-2	-9	-26	-30	-44	-52

Temperature of soil surface

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Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
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Kresttsy 104. Крестцы Soil podzolic, sandy loam Почва подзолистая, супесчаная

Mean	Среди.	-10	-10	-6	3	13	19	21	18	11	4	-2	-7	4
M.max	Среди. макс.	-6	-4	2	12	28	34	36	32	22	10	1	-4	13
A.max	Абс. макс.	4	8	16	42	49	52	51	49	42	28	14	8	52
M.min	Среди. мин.	-16	-17	-13	-4	3	8	11	10	4	0	-6	-11	-2
A.min	Абс. мин.	-53	-45	-38	-30	-11	-6	0	-2	-10	-24	-34	-45	-53

Korostyn' 106. Коростынь Soil podzolic, loamy Почва подзолистая, суглинистая

Mean	Среди.	-8	-9	-6	3	13	19	21	18	11	4	-2	-6	5
M.max	Среди. макс.	-5	-4	1	12	27	33	35	31	22	9	1	-3	13
A.max	Абс. макс.	5	5	15	35	46	53	51	49	41	24	13	9	53
M.min	Среди. мин.	-13	-14	-10	-2	4	9	12	10	5	0	-4	-9	-1
A.min	Абс. мин.	-42	-36	-35	-26	-10	-4	2	-1	-6	-22	-26	-38	-42

Staraya Russa 108. Старая Русса Soil podzolic, sandy loam, sandy Почва подзолистая, супесчаная, песчаная

Mean	Среди.	-8	-8	-5	4	12	18	21	18	11	4	-1	-6	5
M.max	Среди. макс.	-5	-4	1	12	24	31	34	31	22	9	1	-3	13
A.max	Абс. макс.	5	5	16	33	44	49	50	48	40	26	14	8	50
M.min	Среди. мин.	-13	-14	-11	-2	4	9	12	10	6	1	-4	-9	-1
A.min	Абс. мин.	-44	-42	-34	-28	-7	-4	-1	-1	-6	-20	-30	-41	-44

Valday 110. Валдай Soil podzolic, loamy Почва подзолистая, суглинистая

Mean	Среди.	-10	-10	-7	2	12	18	20	17	10	4	-2	-7	4
M.max	Среди. макс.	-7	-5	1	11	26	32	34	30	20	8	0	-5	12
A.max	Абс. макс.	4	5	14	35	51	53	53	48	39	25	14	7	53
M.min	Среди. мин.	-15	-16	-13	-4	4	8	11	10	5	0	-5	-11	-2
A.min	Абс. мин.	-52	-49	-36	-30	-8	-5	3	-1	-8	-24	-30	-42	-52

Demyansk 113. Демянск Soil podzolic, sandy Почва подзолистая, песчаная

Mean	Среди.	-9	-9	-5	4	14	20	22	18	11	5	-2	-6	5
M.max	Среди. макс.	-6	-4	1	15	30	36	37	32	22	9	1	-4	14
A.max	Абс. макс.	3	6	16	42	51	58	56	54	46	29	15	9	58
M.min	Среди. мин.	-15	-15	-12	-2	4	9	12	10	5	0	-5	-10	-2
A.min	Абс. мин.	-53	-44	-38	-25	-10	-5	0	-1	-7	-26	-33	-43	-53

Marevo 115. Марёво Soil podzolic, sandy, sandy loam Почва подзолистая, песчаная, супесчаная

Mean	Среди.	-9	-8	-5	4	14	19	21	18	11	4	-1	-6	5
M.max	Среди. макс.	-6	-4	2	14	28	33	35	32	22	10	1	-4	14
A.max	Абс. макс.	5	9	16	39	48	54	53	51	39	27	14	8	54
M.min	Среди. мин.	-14	-15	-12	-2	4	9	12	11	6	0	-5	-10	-1
A.min	Абс. мин.	-53	-45	-37	-25	-9	-4	1	0	-7	-24	-30	-42	-53

Kholm 116. Холм Soil podzolic, sandy Почва подзолистая, песчаная

Mean	Среди.	-9	-9	-6	4	14	20	21	18	11	4	-1	-6	5
M.max	Среди. макс.	-6	-4	2	15	30	36	37	34	22	10	1	-4	15
A.max	Абс. макс.	4	6	15	39	51	55	56	57	45	26	14	8	57
M.min	Среди. мин.	-15	-16	-12	-2	4	8	11	9	5	0	-5	-10	-2
A.min	Абс. мин.	-53	-49	-39	-28	-8	-5	2	-2	-6	-23	-29	-44	-53

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Temperature
of soil surface

Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
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ПСКОВСКАЯ ОБЛАСТЬ PSKOVSKAYA OBLAST

Gdov

117. Гдов Soil podzolic, sandy loam

Почва подзолистая, супесчаная

Mean	Среди	-8	-8	-6	3	12	18	21	18	12	5	0	-5	5
M.max	Среди макс.	-5	-4	1	11	25	31	34	30	21	10	2	-3	13
A.max	Абс. макс.	5	6	15	31	44	49	49	46	37	24	13	7	49
M.min	Среди мин.	-12	-14	-11	-3	4	9	12	11	7	2	-3	-8	0
A.min	Абс. мин.	-37	-36	-36	-26	-9	-3	3	0	-3	-13	-24	-39	-39

Lyady

118. Ляды Soil podzolic, sandy loam

Почва подзолистая, супесчаная

Mean	Среди	-9	-9	-6	2	11	17	19	16	10	4	-1	-6	4
M.max	Среди макс.	-5	-4	1	11	22	29	32	28	20	9	1	-3	12
A.max	Абс. макс.	4	5	15	26	37	49	46	46	37	24	10	8	49
M.min	Среди мин.	-14	-15	-13	-3	4	8	11	9	5	0	-4	-9	-2
A.min	Абс. мин.	-48	-43	-42	-32	-8	-5	1	-2	-7	-17	-26	-42	-48

Strugi Krasnyye

122. Струги Красные Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Среди	-9	-9	-7	2	12	17	20	17	10	4	-1	-6	4
M.max	Среди макс.	-6	-4	1	10	23	30	32	29	20	9	1	-4	12
A.max	Абс. макс.	4	5	13	32	41	48	50	48	40	25	11	8	50
M.min	Среди мин.	-14	-15	-13	-3	3	7	10	9	5	0	-4	-9	-2
A.min	Абс. мин.	-44	-46	-40	-32	-10	-5	1	-2	-8	-18	-27	-41	-46

im. Zalita,
island

123. им. Залита, остров Soil podzolic, sandy

Почва подзолистая, песчаная

Mean	Среди	-8	-7	-5	4	14	20	22	19	12	5	0	-5	6
M.max	Среди макс.	-5	-3	2	13	27	33	35	31	22	10	2	-3	14
M.min	Среди мин.	-12	-12	-10	-2	5	11	8	12	8	2	-3	-8	0

Dno

124. Дно Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Среди	-8	-8	-5	4	12	18	20	18	11	4	-1	-6	5
M.max	Среди макс.	-6	-4	1	13	25	30	33	30	21	10	2	-3	13
A.max	Абс. макс.	6	6	18	36	44	50	49	48	42	25	13	8	50
M.min	Среди мин.	-13	-14	-11	-3	4	9	12	10	5	0	-4	-9	-1
A.min	Абс. мин.	-43	-46	-37	-25	-10	-4	2	-1	-5	-18	-29	-41	-46

Pskov

125. Псков Soil podzolic, sandy,
sandy loam

Почва подзолистая, песчаная, супесчаная

Mean	Среди	-8	-8	-4	4	14	19	22	18	12	5	0	-5	6
M.max	Среди макс.	-5	-3	2	15	28	35	37	32	23	10	2	-3	14
A.max	Абс. макс.	6	7	19	38	51	54	55	53	44	27	14	9	55
M.min	Среди мин.	-13	-14	-10	-2	4	9	12	10	6	1	-4	-9	-1
A.min	Абс. мин.	-45	-42	-37	-27	-8	-4	4	0	-6	-18	-24	-40	-45

Ostrov

130. Остров Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Среди	-8	-8	-4	4	13	18	20	17	11	5	0	-5	5
M.max	Среди макс.	-5	-4	2	13	25	30	33	30	20	10	2	-3	13
M.min	Среди мин.	-12	-13	-10	-2	4	8	12	10	5	1	-3	-8	-1

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Temperature
of soil surface

Температура поверхности почвы	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year Год
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Pytalovo

131. Пыталово Soil podzolic, heavy loam

Почва подзолистая, тяжелый суглинок

Mean	Средн.	-8	-8	-5	4	13	18	20	17	11	5	0	-4	5
M. max	Средн. макс.	-5	-3	2	13	26	32	34	30	21	10	2	-3	13
A. max	Абс. макс.	6	6	19	38	48	50	50	48	39	25	13	7	50
M. min	Средн. мин.	-12	-13	-10	-2	4	8	11	10	5	1	-3	-8	-1
A. min	Абс. мин.	-44	-43	-37	-25	-10	-6	1	-2	-7	-17	-27	-40	-44

Pushkinskiye Gory

132. Пушкинские Горы

Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Средн.	-8	-8	-5	5	15	20	22	18	12	5	-1	-5	6
M. max	Средн. макс.	-5	-4	2	15	30	37	37	34	23	10	2	-3	15
A. max	Абс. макс.	7	6	19	43	53	55	55	55	42	27	13	9	55
M. min	Средн. мин.	-12	-14	-10	-2	4	9	12	10	5	1	-4	-9	-1
A. min	Абс. мин.	-50	-41	-36	-21	-10	-4	2	-2	-7	-18	-23	-39	-50

Sushchevo

133. Сушево

Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Средн.	-8	-8	-5	4	12	18	20	17	11	4	-1	-5	5
M. max	Средн. макс.	-5	-4	2	13	24	31	33	30	21	10	2	-3	13
A. max	Абс. макс.	6	6	18	33	45	49	52	52	40	26	14	8	52
M. min	Средн. мин.	-13	-14	-10	-2	4	8	11	10	5	0	-4	-9	-1
A. min	Абс. мин.	-44	-44	-37	-21	-8	-6	3	-2	-6	-21	-26	-39	-44

Opochka

134. Опочка

Soil podzolic, sandy loam

Почва подзолистая, супесчаная

Mean	Средн.	-8	-8	-5	4	12	18	20	17	11	5	0	-5	5
M. max	Средн. макс.	-5	-3	2	13	25	30	33	30	21	10	2	-2	13
A. max	Абс. макс.	6	6	18	33	41	45	49	49	42	25	14	9	49
M. min	Средн. мин.	-13	-14	-10	-2	4	8	11	10	5	1	-4	-9	-1
A. min	Абс. мин.	-46	-44	-38	-27	-7	-5	2	-2	-7	-21	-28	-40	-46

Velikiye Luki

137. Великие Луки

Soil podzolic, sandy loam

Почва подзолистая, супесчаная

Mean	Средн.	-8	-8	-5	4	13	19	21	18	11	5	-1	-6	5
M. max	Средн. макс.	-5	-4	2	13	26	33	35	32	22	11	2	-3	14
A. max	Абс. макс.	5	6	18	34	46	51	52	50	40	28	14	8	52
M. min	Средн. мин.	-14	-14	-10	-2	4	9	11	10	5	0	-4	-9	-1
A. min	Абс. мин.	-49	-43	-34	-25	-6	-3	2	1	-8	-20	-24	-35	-49

Idritsa

138. Идрица

Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Средн.	-8	-8	-5	4	14	19	21	18	12	5	0	-5	6
M. max	Средн. макс.	-5	-4	1	13	27	33	36	31	21	10	2	-3	14
A. max	Абс. макс.	5	5	16	40	52	54	54	53	42	25	13	8	54
M. min	Средн. мин.	-13	-14	-11	-2	5	9	12	11	6	1	-3	-9	-1
A. min	Абс. мин.	-50	-42	-35	-25	-8	-4	2	0	-7	-19	-26	-41	-50

Zhigalovo

139. Жигалово

Soil podzolic, loamy

Почва подзолистая, суглинистая

Mean	Средн.	-9	-8	-5	4	14	19	20	18	11	5	-1	-6	5
M. max	Средн. макс.	-5	-4	3	12	27	34	34	30	21	10	2	-3	13
M. min	Средн. мин.	-14	-14	-12	-2	5	9	12	10	5	1	-4	-10	-1

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MEAN MONTHLY TEMPERATURES OF UPPER LAYER OF
SOIL ACCORDING TO MEASUREMENTS WITH AN
ANGLE THERMOMETER

Table 2
ТАБЛИЦА 2

СРЕДНЯЯ МЕСЯЧНАЯ ТЕМПЕРАТУРА ВЕРХНИХ СЛОЕВ ПОЧВЫ
ПО КОЛЕНЧАТЫМ ТЕРМОМЕТРАМ

Depth (m)

Глубина (м)	V	VI	VII	VIII	IX	X
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ЛЕНИНГРАДСКАЯ ОБЛАСТЬ Leningradskaya Oblast

Lesogorskiy

2. Лесогорский Soil podzolic, loamy

Почва подзолистая, суглинистая

0.05		15.8	18.8	15.9	10.0	•
0.10		15.2	18.2	15.7	10.2	•
0.15		14.2	17.6	15.5	10.3	•
0.20		13.9	17.4	15.5	10.5	•

Vinnitsy

13. Винницы Soil podzolic, loamy

Почва подзолистая, суглинистая с примесью песка with admixture

0.05	•	14.2	17.4	15.6	9.4	- of
0.10	•	13.8	17.1	15.6	9.6	- sand
0.15	•	13.3	16.6	15.4	9.9	-
0.20	•	12.8	16.3	15.3	10.0	-

Primorsk

21. Приморск Soil podzolic, sandy loam,

Почва подзолистая, супесчаная, песчаная sandy

0.05	•	16.2	19.8	17.1	11.1	•
0.10	•	15.7	19.2	17.0	11.4	•
0.15	•	15.3	19.0	16.8	11.5	•
0.20	•	14.9	18.7	16.7	11.5	•

Roshehino

25. Рошино Soil podzolic, loamy

Почва подзолистая, суглинистая

0.05	9.1	15.0	18.5	16.1	10.4	4.2
0.10	9.0	14.4	17.9	16.0	10.6	4.6
0.15	8.0	13.5	17.4	15.8	10.8	5.0
0.20	7.9	13.2	16.8	15.7	11.0	5.4

Moshchnyy

38. Мощный Soil podzolic, sandy

Почва подзолистая, песчаная

0.05	10.7	17.6	20.5	17.9	12.2	5.8
0.10	10.2	16.8	20.0	17.7	12.4	6.1
0.15	9.5	15.9	19.2	17.4	12.4	6.3
0.20	9.0	15.5	18.7	17.1	12.4	6.5

Kronshtadt

42. Кронштадт Soil - fill

Почва насыпная

0.05	11.8	17.4	21.2	18.3	12.1	•
0.10	11.4	17.0	20.8	18.2	12.2	•
0.15	11.0	16.4	20.3	17.6	12.2	•
0.20	10.7	15.9	19.8	17.4	12.2	•

Lebyazh'ye

44. Лебяжье Soil podzolic, sandy

Почва подзолистая, песчаная

0.05	12.3	18.0	21.3	18.0	11.9	4.6
0.10	11.7	17.2	20.7	17.8	12.0	4.7
0.15	11.7	17.0	20.1	17.7	12.2	5.2
0.20	11.4	16.7	20.1	17.6	12.2	5.2

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Depth (m)

Глубина (м)	V	VI	VII	VIII	IX	X
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Leningrad, GMO

45. Ленинград, ГМО Soil - fill

Почва насыпная

0.05	11.7	17.2	20.5	17.6	11.3	4.5
0.10	11.3	16.8	20.1	17.5	11.5	4.8
0.15	11.1	16.3	19.7	17.5	11.8	5.2
0.20	10.5	15.9	19.5	17.4	11.9	5.5

Voyeykovo

46. Воейково Soil podzolic, loamy

Почва подзолистая, суглинистая

0.05	9.0	15.0	18.3	15.8	9.9	3.7
0.10	8.3	14.4	17.8	15.6	10.1	4.0
0.15	7.8	13.8	17.4	15.5	10.3	4.3
0.20	7.3	13.3	17.1	15.4	10.4	4.5

Lomonosov

52. Ломоносов Soil podzolic, sandy loam

Почва подзолистая, супесчаная

0.05	11.2	16.5	19.9	17.0	11.1	•
0.10	10.8	16.1	19.5	16.9	11.3	•
0.15	10.4	15.7	19.1	16.7	11.4	•
0.20	9.9	15.0	18.6	16.6	11.6	•

Novo-Saratovskaya

61. Ново-Саратовская Soil podzolic, loamy

Почва подзолистая, суглинистая

0.05	—	14.8	18.2	15.7	10.3	•
0.10	—	14.1	17.7	15.7	10.4	•
0.15	—	13.6	17.0	15.6	10.6	•
0.20	—	13.4	16.6	15.4	10.7	•

Staroye Garkolovo

62. Старое Гарколово Soil podzolic, sandy

Почва подзолистая, песчаная

0.05	11.9	17.6	20.3	17.6	11.6	5.0
0.10	11.4	17.0	19.9	17.4	11.8	5.3
0.15	11.0	16.5	19.4	17.2	11.8	5.5
0.20	10.3	16.0	19.0	17.0	11.8	5.6

Pushkin

67. Пушкин Soil podzolic, loamy

Почва подзолистая, суглинистая

0.05	•	16.2	19.5	16.8	10.7	•
0.10	•	15.5	19.0	16.6	11.0	•
0.15	•	15.0	18.6	16.5	11.2	•
0.20	•	14.4	18.1	16.3	11.3	•

Kipen'

74. Кипень Soil podzolic, loamy

Почва подзолистая, суглинистая

0.05	10.6	15.7	18.7	16.3	10.5	4.2
0.10	9.8	15.2	18.1	16.1	10.7	4.4
0.15	9.2	14.7	17.6	16.0	10.9	4.6
0.20	8.8	14.3	17.3	15.9	11.0	4.9

Sablino

75. Сабляно Soil podzolic, loamy

Почва подзолистая, суглинистая

0.05	•	15.9	19.2	16.6	10.7	4.4
0.10	•	15.3	18.8	16.4	10.9	4.8
0.15	•	14.6	18.2	16.3	10.9	5.2
0.20	•	14.2	18.0	16.2	11.2	5.6

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Depth (m)

Глубина (м)	V	VI	VII	VIII	IX	X
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Tikhvin

76. Тихвин Soil podzolic, sandy
loam

Почва подзолистая, супесчаная

0.05	10.2	15.2	18.4	15.9	9.9	3.6
0.10	9.7	14.7	18.0	15.8	10.1	3.9
0.15	9.4	14.2	17.6	15.7	10.3	4.3
0.20	8.7	13.8	17.4	15.4	10.4	4.3

Yefimovskaya

78. Ефимовская Soil podzolic, sandy
loam

Почва подзолистая, супесчаная

0.05	10.0	15.5	18.6	16.1	9.7	3.0
0.10	9.3	14.7	18.1	16.0	9.9	3.4
0.15	9.0	14.3	17.7	16.0	10.4	3.7
0.20	8.2	13.6	17.2	15.7	10.4	4.4

Volosovo

79. Волосово Soil podzolic, loamy

Почва подзолистая, суглинистая

0.05	•	15.0	18.1	16.1	10.2	•
0.10	•	14.4	17.7	15.8	10.4	•
0.15	•	13.9	17.3	15.8	10.6	•
0.20	•	13.4	17.1	15.7	10.8	•

Kingisepp

81. Кингисепп Soil podzolic sandy

Почва подзолистая, супесь на суглинке loam on loam

0.05	10.3	15.3	18.4	16.3	11.1	•
0.10	10.0	14.9	18.0	16.2	11.3	•
0.15	9.8	14.4	17.6	16.0	11.4	•
0.20	9.4	14.5	17.6	16.0	11.5	•

Belogorka

82. Белогорка Soil podzolic, loamy

Почва подзолистая, суглинистая

0.05	10.8	15.9	18.9	16.4	10.7	4.1
0.10	10.3	15.3	18.4	16.3	10.7	4.2
0.15	10.0	14.9	18.0	16.2	11.0	4.7
0.20	9.6	14.4	17.8	16.0	11.1	5.0

Budogoshch'

85. Будогощь Soil podzolic, sandy

Почва подзолистая, песчаная

0.05	11.8	16.7	19.8	16.7	10.4	•
0.10	11.4	16.2	19.5	16.7	10.6	•
0.15	11.0	15.8	19.1	16.6	10.9	•
0.20	10.7	15.5	18.9	16.5	10.9	•

Nikolayevskoye

92. Николаевское Soil podzolic, loamy

Почва подзолистая, суглинистая

0.05	11.4	16.4	19.5	16.9	10.9	4.1
0.10	11.0	15.9	19.1	16.9	11.1	4.4
0.15	10.6	15.3	18.6	16.8	11.4	4.7
0.20	10.2	14.9	18.3	16.7	11.4	5.0

НОВГОРОДСКАЯ ОБЛАСТЬ NOVGORODSKAYA OBLAST'

Khvoynaya

94. Хвойная Soil podzolic, sandy

Почва подзолистая, песчаная

0.05	11.6	17.0	19.6	16.7	10.1	•
0.10	11.5	16.5	19.1	16.7	10.4	•
0.15	11.2	16.1	18.9	16.7	10.7	•
0.20	10.7	15.7	18.6	16.6	10.8	•

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Depth (m)						
Глубина (м)	V	VI	VII	VIII	IX	X

Okhony **99. Охоны** Soil podzolic, sandy loam

Почва подзолистая, супесчаная

0.05	11.2	16.9	19.5	16.7	10.2	•
0.10	10.6	16.2	19.0	16.6	10.6	•
0.15	10.2	15.9	18.6	16.4	10.7	•
0.20	9.7	15.3	18.2	16.2	10.9	•

Novgorod **100. Новгород** Soil podzolic, loamy

Почва подзолистая, суглинистая

0.05	11.3	16.6	19.2	17.0	11.0	4.3
0.10	10.9	16.0	18.8	16.8	11.3	4.7
0.15	10.4	15.4	18.3	16.7	11.4	5.0
0.20	9.9	14.9	17.9	16.5	11.6	5.2

Borovich **101. Боровичи** Soil podzolic, sandy, sandy loam

Почва подзолистая, песчаная, супесчаная

0.05	12.1	17.7	20.3	17.6	10.7	•
0.10	11.8	17.0	19.8	17.6	11.0	•
0.15	11.1	16.5	19.4	17.3	11.2	•
0.20	10.8	16.0	18.9	17.2	11.3	•

Staraya Russa **108. Старая Русса** Soil podzolic, sandy loam

Почва подзолистая, супесчаная

0.05	11.7	16.9	19.6	17.3	11.4	•
0.10	11.1	16.3	19.2	17.1	11.5	•
0.15	10.5	15.8	18.7	16.8	11.7	•
0.20	10.2	15.3	18.5	16.8	11.8	•

Valday **110. Валдай** Soil podzolic, loamy

Почва подзолистая, суглинистая

0.05	11.8	16.6	19.6	16.8	10.4	•
0.10	11.4	16.1	19.2	16.8	10.7	•
0.15	11.1	15.7	18.8	16.6	10.9	•
0.20	10.7	15.4	18.5	16.5	11.1	•

Demyansk **113. Демянск** Soil podzolic, sandy

Почва подзолистая, песчаная

0.05	•	18.3	21.3	17.6	11.3	•
0.10	•	17.9	21.0	17.6	11.6	•
0.15	•	17.6	20.8	17.7	11.8	•
0.20	•	17.4	20.7	17.8	12.1	•

Marevo **115. Марево** Soil podzolic, sandy, sandy loam

Почва подзолистая, песчаная, супесчаная

0.05	13.3	18.3	20.4	18.0	11.6	•
0.10	12.9	17.8	20.1	17.9	11.8	•
0.15	12.4	17.4	19.9	17.8	12.0	•
0.20	12.1	17.1	19.6	17.8	12.1	•

Kholm **116. Холм** Soil podzolic, sandy

Почва подзолистая, песчаная

0.05	12.8	17.6	19.8	17.4	11.3	4.6
0.10	12.3	17.0	19.4	17.2	11.4	4.8
0.15	11.7	16.4	18.9	17.0	11.6	5.1
0.20	11.3	15.8	18.5	16.9	11.7	5.4

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Depth (m)

Глубина (м)	V	VI	VII	VIII	IX	X
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ПСКОВСКАЯ ОБЛАСТЬ Pskovskaya Oblast

Gdov

117. Гдов

Почва подзолистая, супесчаная Soil podzolic, sandy loam

0.05	11.6	16.7	19.5	17.2	11.6	5.1
0.10	11.1	16.2	19.1	17.0	11.7	5.4
0.15	10.6	15.7	18.7	16.9	11.8	5.4
0.20	10.3	15.4	18.4	16.8	12.0	5.8

Dno

124. Дно

Почва подзолистая, суглинистая Soil podzolic, loamy

0.05	•	16.3	19.2	17.1	11.4	•
0.10	•	15.8	18.8	17.0	11.7	•
0.15	•	15.4	18.5	16.9	11.7	•
0.20	•	14.7	18.2	16.6	11.8	•

Pskov

125. Псков

Почва подзолистая, песчаная, супесчаная Soil podzolic, sandy, sandy loam

0.05	12.6	17.8	20.3	17.8	11.8	•
0.10	12.1	17.1	19.9	17.6	12.0	•
0.15	11.7	16.8	19.4	17.4	12.1	•
0.20	10.8	15.9	18.9	17.2	12.2	•

Ostrov

130. Остров

Почва подзолистая, суглинистая Soil podzolic, sandy loam

0.05	•	16.5	19.2	17.0	11.5	•
0.10	•	15.8	18.7	16.6	11.6	•
0.15	•	15.4	18.5	16.5	11.8	•
0.20	•	14.9	18.1	16.4	11.8	•

Pytalovo

131. Пыталово

Почва подзолистая, тяжелый суглинок Soil podzolic, heavy loam

0.05	•	16.8	19.3	17.0	11.3	5.0
0.10	•	16.0	18.7	16.8	11.6	5.2
0.15	•	15.6	18.4	16.8	11.7	5.4
0.20	•	15.3	18.1	16.8	11.9	5.5

Sushchevo

133. Сущево

Почва подзолистая, суглинистая Soil podzolic, loamy

0.05	•	16.2	18.7	16.6	11.0	4.6
0.10	•	15.4	18.3	16.4	11.3	4.9
0.15	•	14.6	17.6	16.3	11.5	5.2
0.20	•	14.5	17.2	16.0	11.5	5.5

Opochka

134. Опочка

Почва подзолистая, супесчаная Soil podzolic, sandy loam

0.05	11.5	16.3	18.7	16.9	11.4	5.3
0.10	11.1	15.8	18.3	16.7	11.6	5.5
0.15	10.6	15.4	18.0	16.5	11.6	5.7
0.20	10.5	15.0	17.7	16.4	11.7	5.6

Zhigalovo

139. Жигалово

Почва подзолистая, суглинистая Soil podzolic, loamy

0.05	•	17.5	19.5	17.4	11.5	•
0.10	•	16.8	19.1	17.2	11.6	•
0.15	•	16.2	18.8	17.1	11.8	•
0.20	•	15.7	18.5	17.0	12.0	•

Примечание. Точка (•) означает, что в данном месяце наблюдения имеются менее чем в 50% лет.

Note. The dot (•) means that in that month the observations were made in less than 50% of the years.

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MEAN MONTHLY AND YEARLY SOIL TEMPERATURES

USING MEASUREMENTS FROM VACUUM THERMOM- Table 3
ETERS ТАБЛИЦА 3СРЕДНЯЯ МЕСЯЧНАЯ И ГОДОВАЯ ТЕМПЕРАТУРА ПОЧВЫ
ПО ВЫТЯЖНЫМ ТЕРМОМЕТРАМ

Depth (m)	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год Year
Глубина (м)													

ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

4. Вознесенье

Почва до 30 см — супесь, ниже суглинок с валунами

0.1	-1.8	-1.6	-0.8	1.4	8.8	13.9	18.0	16.6	10.9	5.6	2.0	-0.5	6.0
0.2	-0.7	-1.0	-0.7	0.8	7.6	13.0	16.9	16.3	11.2	6.1	2.6	0.2	6.0
0.4	0.3	-0.3	-0.3	0.7	6.1	11.4	15.3	15.5	11.8	6.8	3.5	1.1	6.0
0.8	1.2	0.6	0.4	0.8	4.8	9.9	13.7	14.6	12.0	7.8	4.6	2.3	6.1
1.6	2.8	2.0	1.7	1.6	3.5	7.8	11.1	12.6	11.6	8.9	6.2	4.1	6.2

22. Сосновый Бор

Почва — песок

0.4	-0.4	-0.7	-0.6	0.1	7.0	12.8	16.0	15.3	10.6	5.7	2.3	0.6	5.7
0.8	1.1	0.7	0.6	0.9	5.2	10.3	13.5	13.6	10.9	6.9	3.8	2.1	5.8
1.6	2.8	2.2	1.9	1.7	3.3	7.1	10.2	11.4	10.6	8.2	5.7	3.9	5.8
3.2	4.5	3.8	3.3	2.9	2.8	4.5	6.7	8.4	9.0	8.4	7.0	5.6	5.6

25. Рошино

Почва — средний суглинок, переходящий с 50 см в тяжелый суглинок

0.2	0.2	0.1	0.3	1.0	8.1	14.0	16.5	16.0	11.7	6.8	2.2	0.4	6.4
0.4	0.8	0.6	0.5	0.8	6.8	12.0	15.0	15.3	12.1	7.6	3.3	1.3	6.3
0.6	1.2	1.0	0.7	0.8	5.8	10.6	14.1	14.7	12.0	8.1	4.0	1.9	6.2
0.8	1.3	1.1	0.9	1.0	5.6	10.4	13.5	14.4	12.2	8.3	4.4	2.2	6.3
1.2	2.0	1.6	1.4	1.2	4.4	8.8	12.2	13.6	12.0	8.8	5.3	3.0	6.2
1.6	2.6	2.0	1.7	1.5	4.0	8.0	11.2	12.7	11.8	9.1	6.1	3.6	6.2
2.4	3.6	3.0	2.6	2.1	3.3	6.3	9.1	10.9	11.0	9.5	7.1	5.0	6.1
3.2	4.6	3.8	3.3	2.8	3.2	4.8	7.6	9.3	10.0	9.3	7.6	5.8	6.0

29. Токсово

Почва до 22 см — супесь, ниже — песок

0.2	-0.1	-0.2	0.0	1.2	8.0	13.1	16.1	15.6	11.4	6.3	1.8	0.1	6.1
0.4	0.7	0.5	0.2	0.8	6.8	11.3	14.5	14.9	11.8	7.3	3.1	1.2	6.1
0.8	1.5	1.1	0.9	1.1	5.5	9.0	12.8	14.0	12.1	8.3	4.6	2.3	6.1
1.6	2.8	2.2	1.8	1.5	3.7	7.1	10.2	12.1	11.5	9.5	6.5	4.0	6.1
3.2	5.0	4.0	3.5	2.9	3.0	4.2	6.8	8.6	9.6	9.3	7.9	6.2	5.9

31. Сестрорецк

Почва песчаная

0.1	-2.8	-3.0	-1.8	1.8	11.3	16.7	20.5	18.4	11.8	5.0	1.5	-1.5	6.5
0.2	-1.1	-1.6	-1.1	1.4	10.0	15.4	19.0	17.8	12.3	6.2	3.0	0.0	6.8
0.8	0.8	0.1	0.2	1.2	8.2	13.3	16.9	16.9	12.9	7.7	4.4	2.1	7.1
1.6	3.2	2.6	2.3	2.3	6.2	10.4	13.7	14.7	12.8	9.3	6.5	4.5	7.4

40. Ленинград, Лесной

Почва до 25 см — песок, ниже — глина

0.1	-1.3	-1.4	-0.8	2.4	10.6	15.7	19.1	17.2	11.6	5.3	1.6	-0.4	6.6
0.2	-0.6	-1.0	-0.5	1.9	9.9	14.8	18.5	17.0	12.0	5.6	2.2	0.3	6.7
0.4	0.2	-0.2	-0.1	1.6	9.0	13.8	17.4	16.5	12.2	6.6	3.0	1.1	6.8
0.8	1.6	1.1	0.8	1.7	7.2	11.6	14.9	15.1	12.3	7.9	4.5	2.5	6.8
1.6	3.1	2.5	2.0	2.0	5.1	8.7	11.6	12.9	11.8	9.0	6.1	4.2	6.6
3.2	5.3	4.6	4.1	3.6	4.2	5.8	7.7	9.2	9.6	9.1	7.7	6.4	6.4

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Table 3

Leningradskaya Oblast

4. Voznesen'ye
Soil down to 30 cm - sandy loam, lower - loam with boulders.
22. Sosnovyy Bor
Soil - sand
25. Roshchino
Soil - medium loam, changing at 50 cm to heavy loam
29. Toksovo
Soil down to 22 cm - sandy loam, lower - sand
31. Sestroretsk
Soil sandy
40. Leningrad, Lesnoy
Soil down to 25 cm - sand, lower - clay

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Depth (m)

Глубина (м)	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Year
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42. Кронштадт

Почва насыпная

0.1	-1.6	-2.0	-1.0	2.0	10.4	15.3	19.5	18.1	12.4	6.2	2.4	-0.6	6.8
0.2	-0.9	-1.3	-1.0	1.8	9.8	15.1	19.1	18.0	12.8	6.7	3.0	0.1	6.9
0.4	0.2	-0.4	-0.3	1.3	8.4	13.7	17.7	17.1	13.2	7.6	3.9	1.5	7.0
0.8	1.7	1.0	0.6	1.2	6.1	11.2	14.6	15.4	13.1	9.0	5.6	3.1	6.9
1.6	3.7	2.8	2.2	2.1	4.8	8.4	11.3	13.0	12.4	10.1	7.6	5.3	7.0
3.2	7.0	5.5	4.8	4.3	4.4	5.9	7.6	9.3	10.1	9.8	8.9	7.6	7.1

45. Ленинград, ГМО (старая площадка)

Под оголенной поверхностью

Почва песчаная

0.4	-5.5	-6.5	-3.2	1.3	9.5	16.4	20.3	18.1	11.8	6.2	1.2	-2.7	5.6
0.8	-0.9	-2.3	-1.5	-0.2	3.3	12.0	17.0	16.8	12.5	7.8	3.6	0.8	5.7
1.6	2.3	1.3	0.7	0.7	2.0	7.7	12.5	14.0	12.3	9.1	6.0	3.8	6.0
3.2	5.8	5.0	4.4	3.9	3.7	4.7	6.7	8.8	9.5	9.1	8.0	6.8	6.4

45. Ленинград, ГМО (старая площадка)

Под естественным покровом

Почва насыпная, на глубине 20 см — тяжелая глина, на 35 см — супесь,
на глубине 1.6 м — легкий суглинок

0.2	-1.0	-1.1	-0.7	1.7	8.3	12.7	16.9	15.5	11.2	5.7	1.8	-0.2	5.9
0.4	0.1	-0.2	-0.2	1.1	6.8	11.3	15.4	14.9	11.5	6.6	2.8	1.0	5.9
0.8	1.5	1.0	0.7	1.0	5.1	9.4	13.1	13.9	11.8	8.1	4.6	2.6	6.1
1.6	3.4	2.7	2.3	2.1	3.8	7.0	9.9	11.5	11.2	9.2	6.6	4.5	6.2

45. Ленинград, ГМО (новая площадка)

Под естественным покровом

Почва до глубины 1.6 м — насыпной грунт

0.2	-1.7	-2.0	-1.5	1.8	9.4	14.7	18.0	16.8	11.9	6.5	2.3	-0.2	6.3
0.4	-0.1	-0.9	-0.8	1.0	7.9	13.2	16.0	15.8	12.4	7.4	3.4	1.2	6.4
0.8	2.2	1.3	0.9	1.5	6.2	10.8	13.7	14.5	12.5	8.9	5.6	3.5	6.8
1.6	5.1	4.2	3.6	3.4	4.8	7.7	10.1	11.5	11.5	10.0	8.0	6.4	7.2

46. Воейково

Почва — легкий суглинок, переходящий с 0.7 м в средний суглинок

0.2	-0.4	-0.6	-0.6	0.8	7.3	13.4	16.2	15.2	11.0	6.3	2.0	0.3	5.9
0.4	0.6	0.2	0.1	0.6	6.1	11.7	14.7	14.5	11.4	7.1	3.2	1.4	6.0
0.6	1.5	1.0	0.7	0.8	5.0	10.1	13.4	13.7	11.3	7.8	4.2	2.3	6.0
0.8	2.0	1.5	1.1	1.2	4.7	9.3	12.4	13.2	11.4	8.1	4.8	2.9	6.0
1.2	3.1	2.5	2.1	1.9	3.9	7.7	10.6	11.9	11.0	8.7	6.0	4.1	6.1
1.6	3.8	3.2	2.7	2.4	3.7	6.6	9.3	10.7	10.6	9.0	6.8	4.9	6.1
2.4	5.0	4.3	3.8	3.4	3.7	5.5	7.6	9.2	9.7	9.0	7.5	6.1	6.2
3.2	5.7	5.0	4.5	4.1	4.0	4.6	6.6	8.0	8.8	8.7	7.8	6.7	6.2

59. Приладога

Почва суглинистая

0.1	-2.0	-2.1	-1.3	2.0	10.9	15.3	19.2	17.4	11.3	4.8	1.4	-1.2	6.3
0.2	-1.5	-1.8	-1.1	1.6	9.9	14.6	18.4	17.1	11.5	5.3	1.9	-0.6	6.3
0.4	-0.5	-0.9	-0.6	1.2	8.9	13.5	17.1	16.6	12.0	6.2	3.0	0.4	6.4
0.8	0.8	0.3	0.2	1.0	7.1	11.6	15.3	15.7	12.4	7.4	4.2	1.9	6.5

Table 3
(continued)

42. Kronshtadt
Soil - fill
45. Leningrad, GMO (old area)
Under an uncovered surface. Soil sandy
45. Leningrad, GMO (old area)
Under natural cover. Soil is filled, at a depth of 20 cm -
heavy clay, at 35 cm - sandy clay, at a depth of 1.6 m -
light loam
45. Leningrad, GMO (new area)
Under natural cover. Soil down to a depth of 1.6 m - filled-
up ground
46. Voyeykovo
Soil - light loam, changing at 0.7 m to medium loam
59. Priladoga
Soil loamy

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Depth (m)

Year

Глубина (м)	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год
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62. Старое Гарколово

Почва песчаная

0.1	-4.7	-5.0	-2.3	3.3	11.9	17.8	21.2	18.7	12.4	5.6	1.5	-2.5	6.5
0.2	-2.8	-3.4	-1.5	2.4	10.5	15.6	19.5	17.9	12.5	6.4	2.6	-0.8	6.6
0.4	-1.2	-1.7	-0.8	1.7	9.3	14.0	18.0	17.5	12.9	7.3	3.4	0.6	6.8
0.8	0.8	0.0	0.1	1.3	7.1	11.6	15.4	16.1	13.2	8.7	5.1	2.4	6.8
1.6	3.0	2.0	1.6	1.6	4.6	8.3	11.6	13.7	12.6	9.8	6.8	4.4	6.7

70. Павловск

Под оголенной поверхностью

Почва песчаная

0.2	-7.2	-7.4	-3.2	2.4	9.6	15.7	18.3	15.7	9.9	4.3	1.1	-4.2	4.6
0.4	-5.6	-6.0	-2.8	1.4	8.1	14.1	17.1	15.2	10.2	5.0	1.1	-2.6	4.6
0.8	-1.5	-2.3	-1.3	0.2	5.3	11.2	14.6	14.2	10.6	6.5	3.3	0.8	5.1
1.6	2.3	1.3	0.9	0.9	2.9	7.1	10.4	11.6	10.4	7.9	5.7	3.9	5.4
3.2	5.3	4.4	3.6	3.2	3.2	4.8	6.9	8.6	9.2	8.8	7.8	6.5	6.0

70. Павловск

Под естественной поверхностью

Почва до 17—20 см — легкая супесь, ниже — чистый кварцевый песок

0.2	0.1	0.0	0.2	1.9	8.8	13.4	16.3	15.4	11.2	6.2	2.5	0.8	6.4
0.4	1.1	0.8	0.7	1.6	7.5	11.8	14.7	14.6	11.4	7.1	3.8	2.0	6.4
0.8	2.3	1.8	1.5	1.8	5.8	9.6	12.5	13.2	11.4	8.1	5.2	3.3	6.4
1.6	3.7	3.1	2.7	2.4	4.4	7.4	9.9	11.3	10.8	9.0	6.7	4.9	6.4

78. Ефимовская

Почва до 20 см — супесь, ниже — песок

0.2	-0.2	-0.3	-0.1	0.8	8.5	13.8	16.6	15.3	10.6	5.8	1.4	0.0	6.0
0.4	0.5	0.3	0.3	0.7	7.0	12.3	15.4	15.1	11.2	6.8	2.6	1.0	6.1
0.6	1.1	0.9	0.8	0.9	6.1	11.2	14.0	14.4	11.4	7.3	3.6	1.6	6.1
0.8	1.3	1.0	0.8	0.8	5.1	10.1	13.3	14.2	11.6	7.8	4.0	2.0	6.0
1.2	1.9	1.5	1.3	1.0	4.2	8.9	12.2	13.5	11.7	8.4	5.0	2.8	6.0
1.6	2.5	2.1	1.8	1.2	3.3	7.6	10.8	12.6	11.6	8.9	5.8	3.6	6.0
2.4	3.4	2.8	2.5	1.6	2.4	5.9	8.9	11.0	11.0	9.3	6.8	4.6	5.8
3.2	4.6	3.9	3.4	2.2	2.4	4.9	7.3	9.2	9.8	9.0	7.5	5.7	5.8

81. Кингисепп

Почва до 30—40 см — подзолистая, ниже песок с большим содержанием воды

0.2	0.2	-0.2	0.0	1.2	6.7	11.4	14.6	15.0	12.2	8.1	4.0	1.3	6.2
0.4	1.5	1.0	0.9	1.2	5.1	10.1	13.3	14.4	12.6	9.2	5.4	2.9	6.5
0.8	2.2	1.5	1.2	1.3	4.2	8.8	12.3	13.6	12.6	9.7	6.3	3.8	6.5
1.6	3.4	2.4	1.8	1.5	3.0	6.4	9.5	11.5	11.6	9.9	7.4	5.0	6.1

82. Белогорка

Почва суглинистая

0.2	-0.2	-0.5	-0.4	1.4	9.3	13.9	17.0	16.2	11.6	6.3	2.4	0.4	6.4
0.4	0.6	0.2	0.0	1.0	7.9	12.4	15.8	15.6	12.0	7.2	3.4	1.4	6.5
0.6	1.2	0.8	0.5	1.1	7.0	11.5	14.6	15.1	12.3	8.0	4.2	2.1	6.5

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Table 3
(continued)

62. Staroye Garkolovo
Soil sandy
70. Pavlovsk
Under an uncovered surface. Soil sandy
70. Pavlovsk
Under natural surface. Soil down to 17-20 cm - light sandy
loam, lower - pure quartz sand
78. Yefimovskaya
Soil down to 20 cm - sandy loam, lower - sand
81. Kingisepp
Soil down to 30-40 cm - podzolic, lower - sand with a high
content of water
82. Belogorka
Soil loamy

Depth (m)												Year	
Глубина (м)	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год
0.8	1.6	1.0	0.8	1.2	6.5	10.8	14.0	14.7	12.3	8.4	4.8	2.6	6.6
1.2	2.3	1.8	1.4	1.5	5.4	9.4	12.4	13.6	12.2	9.0	5.6	3.4	6.5
1.6	3.1	2.4	2.0	1.8	4.6	8.2	11.2	12.7	12.0	9.5	6.6	4.3	6.5
2.4	4.3	3.5	2.8	2.6	3.7	6.5	9.1	10.9	11.2	9.8	7.8	5.5	6.5
3.2	5.3	4.4	3.8	3.3	3.6	5.4	7.4	9.2	10.0	9.5	8.2	6.6	6.4

92. Николаевское

Почва до 16 см — суглинок, на глубине 16—35 см — рыхлый песок, ниже — глина

0.1	-1.4	-1.5	-0.7	2.5	10.0	14.6	18.0	16.4	11.6	5.5	1.7	-0.7	6.3
0.2	-0.2	-0.3	-0.1	1.9	9.4	13.5	16.7	15.8	11.8	6.4	2.7	0.4	6.5
0.4	0.6	0.3	0.3	1.8	8.3	12.6	15.6	15.4	12.4	7.4	3.7	1.4	6.6
0.6	1.3	0.9	0.7	1.6	7.2	11.4	14.4	14.8	12.2	7.9	4.4	2.2	6.6
0.8	1.6	1.2	0.9	1.6	6.5	10.7	13.8	14.6	12.4	8.5	5.0	2.6	6.6
1.2	2.5	2.0	1.6	1.9	5.8	9.8	12.5	13.7	12.2	9.1	6.0	3.7	6.7
1.6	3.2	2.5	2.0	2.1	4.7	8.4	11.3	12.8	12.2	9.7	6.9	4.6	6.7
2.4	4.4	3.6	2.9	2.7	3.9	6.7	9.4	11.2	11.5	10.0	7.9	5.8	6.7
3.2	4.9	3.9	3.3	2.8	3.2	5.9	8.5	9.6	11.5	10.5	8.7	6.5	6.6

НОВГОРОДСКАЯ ОБЛАСТЬ

97. Новгород, болотная ст.

Почва — осушенный слой торфа около 1 м, далее глина толщиной 20 см, ниже песчаный водоносный слой

0.3	0.6	-0.2	-0.3	0.5	5.8	11.8	15.3	14.9	11.4	6.7	3.9	1.8	6.6
0.4	1.5	0.8	0.6	1.0	5.5	11.1	13.9	14.0	11.3	7.6	4.4	2.6	6.2
0.8	4.0	3.2	2.8	2.5	3.9	7.2	9.8	11.2	10.8	9.1	6.9	5.1	6.4
1.6	4.9	4.2	3.7	3.2	3.8	6.1	8.3	9.9	10.2	9.2	7.6	6.1	6.4
2.5	6.1	5.3	4.7	4.2	4.2	5.5	7.2	8.7	9.5	9.3	8.4	7.2	6.7

101. Боровичи

Почва песчаная

0.2	-1.2	-1.9	-1.6	1.9	10.0	15.0	17.4	16.3	11.7	6.5	1.7	-0.1	6.3
0.4	-0.5	-1.3	-1.2	1.4	9.0	13.8	16.4	15.8	11.8	7.0	2.5	0.5	6.3
0.6	0.3	-0.5	-0.6	1.1	8.0	12.6	15.3	15.1	11.8	7.5	3.3	1.3	6.3
0.8	1.3	0.5	0.2	1.1	7.0	11.4	14.1	14.4	11.8	8.0	4.2	2.1	6.3
1.2	2.4	1.7	1.3	1.6	6.1	10.0	12.5	13.2	11.6	8.7	5.6	3.4	6.5
1.6	3.2	2.4	2.0	2.0	5.2	8.7	11.1	12.2	11.3	9.1	6.5	4.3	6.5

108. Старая Русса

Почва до 30 см — супесчаная, наносная, ниже — песок

0.2	-0.9	-0.8	-0.3	2.2	9.9	14.7	18.7	17.8	12.8	7.2	2.8	0.3	7.0
0.4	-0.2	-0.4	-0.1	1.4	8.8	13.7	17.8	17.3	13.3	8.0	3.7	1.0	7.0

Table 3
(continued)

92. Nikolayevskoye

Soil down to 16 cm - loam, at a depth of 16-35 cm - loose sand, lower - clay

Novgorodskaya Oblast

97. Novgorod, swamp station

Soil - dried layer of peat around 1 m, further clay with a thickness of 20 cm, lower - sandy water-bearing layer

101. Borovichi

Soil sandy

108. Staraya Russa

Soil down to 30 cm - sandy loam, alluvial, lower - sand

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Depth (m)

Глубина (м)	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Год	Year
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0.8	1.2	0.8	0.6	1.4	7.3	12.3	16.1	16.5	13.6	9.1	5.2	2.4	7.2
1.2	2.1	1.5	1.2	1.6	6.0	10.7	14.5	15.5	13.4	9.9	6.2	3.5	7.2
1.6	2.9	2.1	1.7	1.6	4.6	9.2	12.8	14.3	13.1	10.2	7.0	4.4	7.0
2.0	4.2	3.3	2.8	2.5	4.4	7.7	10.9	12.7	12.4	10.5	7.9	5.7	7.1

109. Парфинская лесная школа

Почва — верхний слой 15—20 см — лесная подстилка, до 40—50 см —
оподзоленный суглинок, подпочва — глина

0.1	-1.2	-1.5	-0.7	2.0	10.8	15.2	18.0	15.8	11.4	6.3	2.1	-0.5	6.5
0.2	-0.1	-0.6	-0.3	1.1	9.2	13.3	16.2	15.2	11.3	6.7	3.6	0.9	6.4
0.4	0.7	0.2	0.2	1.1	8.1	12.4	15.4	14.8	11.4	7.3	4.2	1.8	6.5
0.8	1.7	1.2	1.0	1.3	6.7	10.9	13.8	14.1	11.6	8.2	5.4	3.0	6.6
1.6	3.4	2.6	2.2	2.2	5.1	8.7	11.2	12.4	11.4	9.1	6.8	4.7	6.6

110. Валдай

Почва до 18 см — легкий суглинок, от 18 до 40 см легкая супесь,
от 40 до 70 см — крупнозернистый песок

0.2	-0.4	-0.6	-0.6	2.1	10.3	15.0	18.1	16.7	11.3	5.6	1.4	-0.1	6.6
0.4	0.4	0.2	0.1	1.4	8.6	13.2	16.5	16.0	11.8	6.7	2.6	0.9	6.5
0.8	1.4	1.0	0.8	1.5	7.2	11.4	14.6	14.9	12.1	7.8	4.0	2.1	6.6
1.6	2.9	2.4	2.0	2.0	5.4	8.9	11.7	13.1	11.8	9.1	5.8	3.8	6.6
3.2	4.9	4.2	3.7	3.4	4.0	6.0	8.0	9.7	10.2	9.4	7.8	6.1	6.4

ПСКОВСКАЯ ОБЛАСТЬ

121. Замошье, болотная ст.

Почва торфянистая с очень высоким стоянием грунтовых вод, выступающих
в весеннее и осеннее время на поверхность почвы

0.25	-0.4	-0.7	-0.4	1.3	8.2	14.2	17.8	16.8	11.8	6.2	2.8	0.4	6.5
0.5	1.9	1.3	1.0	1.2	4.8	10.4	14.2	14.9	12.3	8.3	5.2	3.0	6.5
1.0	4.7	4.0	3.5	3.1	3.9	6.8	9.5	11.1	10.9	9.4	7.4	5.8	6.7

Дно

Почва суглинистая, подпочва — глина. Верхний слой 15—20 см — наносный

0.2	-0.8	-1.1	-0.3	3.3	11.4	15.1	19.0	17.2	12.3	6.7	2.6	0.2	7.1
0.4	0.6	0.0	0.0	2.4	9.6	13.5	16.9	16.5	12.9	7.8	4.2	1.7	7.2
0.8	1.7	0.9	0.8	2.0	7.8	11.6	15.0	15.6	13.2	8.8	5.4	2.9	7.1
1.6	3.2	2.4	1.9	2.2	5.6	9.2	11.9	13.2	12.0	9.7	6.9	4.6	6.9

Table 3
(continued)

109. Parfinsk forestry school

Soil - upper layer 15-20 cm - forest flooring, down to
40-50 cm - podsolized loam, subsoil - clay

110. Valday

Soil down to 18 cm - light loam, from 18 to 40 cm light
sandy loam, from 40 to 70 cm - coarse-grained sand

Pskovskaya Oblast

121. Zamosh'ye, swamp station

Soil is peaty with a very high standing of ground waters,
coming out in the spring and fall onto the surface of
the soil

Dno

Soil loamy, subsoil - clay. Upper layer 15-20 cm - alluvial

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MEAN, GREATEST AND LEAST NUMBER OF DAYS
WITH A SOIL TEMPERATURE $\leq 0^{\circ}$

Table 4
ТАБЛИЦА 4

СРЕДНЕЕ, НАИБОЛЬШЕЕ И НАИМЕНЬШЕЕ ЧИСЛО ДНЕЙ
С ТЕМПЕРАТУРОЙ ПОЧВЫ $\leq 0^{\circ}$

① Глубина (м)	② Число дней	X	XI	XII	I	II	III	IV	V	③ Сумма за зиму	④ Процент лет, когда не было мороза на глуби- нах
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ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

4. Вознесенье

(под естественной поверхностью)

0.1	Среднее	M	•	6.0	17.8	26.6	24.9	27.4	15.4	•	122.9	4
	Наибольшее	G	1	19	31	31	29	31	30	3	161	
	Наименьшее	L	0	0	2	0	1	0	2	0	22	
0.2	Среднее	M	0.0	•	10.8	19.3	20.7	24.6	14.2	•	93.0	
	Наибольшее	G	0	14	31	31	29	31	30	4	153	
	Наименьшее	L	0	0	0	0	1	0	0	0	2	
0.4	Среднее	M	0.0	0.0	•	•	15.9	21.0	14.0	•	62.7	75
	Наибольшее	G	0	0	30	31	29	31	30	6	124	
	Наименьшее	L	0	0	0	0	0	0	0	0	0	
0.8	Среднее	M	0.0	0.0	0.0	•	•	•	•	0.0	•	
	Наибольшее	G	0	0	0	11	29	31	20	0	90	
	Наименьшее	L	0	0	0	0	0	0	0	0	0	

31. Сестрорецк¹

(под естественной поверхностью)

0.1	Среднее	M	3.2	9.5	22.9	28.9	27.6	27.1	13.5	0.0	132.7	
	Наибольшее	G	12	28	31	31	29	31	29	0	180	
	Наименьшее	L	0	0	6	22	21	10	1	0	98	
0.2	Среднее	M	0.0	•	11.1	20.1	24.5	23.5	7.3	•	82.6	
	Наибольшее	G	0	7	31	31	28	31	28	1	118	
	Наименьшее	L	0	0	0	0	6	0	0	0	31	
0.8	Среднее	M	0.0	0.0	•	•	10.1	10.5	•	0.0	27.1	40
	Наибольшее	G	0	0	3	31	28	31	17	0	109	
	Наименьшее	L	0	0	0	0	0	0	0	0	0	

40. Ленинград, Лесной

(под естественной поверхностью)

0.1	Среднее	M	•	7.6	22.5	27.5	27.2	28.7	13.6	0.0	127.8	
	Наибольшее	G	8	27	31	31	29	31	26	0	152	
	Наименьшее	L	0	0	0	6	9	16	3	0	67	
0.2	Среднее	M	•	•	11.9	23.9	24.3	27.2	13.1	0.0	102.4	
	Наибольшее	G	5	22	31	31	29	31	30	1	148	
	Наименьшее	L	0	0	0	0	4	3	0	0	50	
0.4	Среднее	M	0.0	•	•	9.0	17.6	18.0	7.7	0.0	55.3	12
	Наибольшее	G	0	13	19	31	29	31	25	0	131	
	Наименьшее	L	0	0	0	0	0	0	0	0	0	
0.8	Среднее	M	0.0	0.0	0.0	0.0	0.0	•	•	0.0	•	93
	Наибольшее	G	0	0	0	0	0	22	20	0	42	
	Наименьшее	L	0	0	0	0	0	0	0	0	0	

⑤ Примечание. Точка (•) означает, что в данном месяце температура 0° и ниже наблюдалась менее чем в 50% лет.

⑥¹ В сентябре на глубине 0.1 м возможна температура почвы $\leq 0^{\circ}$.

Table 4

MEAN, GREATEST AND LEAST NUMBER OF DAYS WITH A SOIL TEMPERATURE $\leq 0^{\circ}$

Key: (1) Depth, m; (2) Number of days; (3) Total for winter; (4) Percentage of years, when there was no frost at depths...; (5) Note. The dot (●) means that in that month a temperature of 0° and lower was observed in less than in 50% of the years.; (6) ¹ In September at a depth of 0.1 m a soil temperature $\leq 0^{\circ}$ is possible; M - mean; G - greatest; L - least.

Leningradskaya Oblast

4. Voznesen'ye

(under the natural surface)

31. Sestroretsk ¹

(under the natural surface)

40. Leningrad, Lesnoy

(under the natural surface)

1	Глубина (м)	2	Число дней	X	XI	XII	I	II	III	IV	V	3	Сумма за зиму	4	Процент лет, когда не было мороза на гл. бивнях
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42. Кронштадт

(под естественной поверхностью)

[illegible]

45. Ленинград, ГМО (старая площадка)

(под оголенной поверхностью)

[illegible]

45. Ленинград, ГМО

(под естественной поверхностью)

[illegible]

46. Воейково

(под естественной поверхностью)

[illegible]

Table 4
(continued)

Key: (1) Depth, m; (2) Number of days; (3) Total for winter;
(4) Percentage of years, when there was no frost at depths...;
M - mean; G - greatest; L - least.

- 42. Kronshtadt
(under the natural surface)
- 45. Leningrad, GMO (old area)
(under the exposed surface)
- 45. Leningrad, GMO
(under the natural surface)
- 46. Voyeykovo
(under the natural surface)

(под естественной поверхностью)

[illegible]

(под естественной поверхностью)

[illegible]

(под оголенной поверхностью)

0.2	Среднее	\bar{M}	●	14.3	28.3	31.0	28.2	30.0	8.5	0.0	141.3
	Наибольшее	\bar{M}_{\max}	7	30	31	31	29	31	17	0	164
	Наименьшее	\bar{M}_{\min}	0	0	17	31	28	21	0	0	119
0.4	Среднее	\bar{M}	●	7.4	26.0	31.0	28.2	30.8	11.2	0.0	135.0
	Наибольшее	\bar{M}_{\max}	5	22	31	31	29	31	18	0	161
	Наименьшее	\bar{M}_{\min}	0	0	11	31	28	29	2	0	112
0.8	Среднее	\bar{M}	●	0.0	6.0	27.4	27.8	30.7	19.2	●	111.6
	Наибольшее	\bar{M}_{\max}	0	3	28	31	29	31	30	4	138
	Наименьшее	\bar{M}_{\min}	0	0	0	12	16	24	0	0	76

(под естественной поверхностью)

[illegible]

Table 4
(continued)

Key: (1) Depth, m; (2) Number of days; (3) Total for winter;
(4) Percentage of years, when there was no frost at depths...;
M - mean; G - greatest; L - least.

59. Priladoga
(under the natural surface)
62. Staroye Garkolovo
(under the natural surface)
70. Pavlovsk
(under the exposed surface)
70. Pavlovsk
(under the natural surface)

1	2									3	4
Глубина (м)	Число дней	X	XI	XII	I	II	III	IV	V	Сумма за зиму	Процент лет, когда не было мороза на глыбах

Table 4
(continued)

Key: (1) Depth, m; (2) Number of days; (3) Total for winter;
(4) Percentage of years, when there was no frost at depths...;
M - mean; G - greatest; L - least.

78. Yefimovskaya
(under the natural surface)

82. Belogorka
(under the natural surface)

92. Nikolavevskoye
(under the natural surface)

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① Глубина (м)	② Число дней	X	XI	XII	I	II	III	IV	V	③ Сумма за зиму	④ Процент лет, когда не было мороза на данной глубине
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НОВГОРОДСКАЯ ОБЛАСТЬ

101. Боровичи

(под естественной поверхностью)

0.2	Среднее	M	0.0	•	12.3	28.3	28.2	30.2	13.1	0.0	113.1	
	Наибольшее	R	0	18	31	31	29	31	30	0	148	
	Наименьшее	L	0	0	0	11	28	26	0	0	65	
0.4	Среднее	M	0.0	•	•	21.5	26.2	28.2	15.2	•	94.8	
	Наибольшее	R	0	12	25	31	29	31	30	2	132	
	Наименьшее	L	0	0	0	0	5	0	0	0	11	
0.6	Среднее	M	0.0	0.0	•	6.7	12.3	22.3	10.5	0.0	49.6	31
	Наибольшее	R	0	0	19	26	29	31	30	0	109	
	Наименьшее	L	0	0	0	0	0	0	0	0	0	
0.8	Среднее	M	0.0	0.0	0.0	•	•	•	•	0.0	•	64
	Наибольшее	R	0	0	0	11	28	31	24	0	94	
	Наименьшее	L	0	0	0	0	0	0	0	0	0	

109. Парфинская лесная школа

(под естественной поверхностью)

0.1	Среднее	M	•	7.2	21.1	28.5	26.3	27.0	11.2	0.0	120.3	
	Наибольшее	R	2	23	31	31	29	31	29	0	161	
	Наименьшее	L	0	0	4	13	12	1	0	0	53	
0.2	Среднее	M	0.0	0.0	4.6	13.7	19.4	19.2	8.7	•	62.2	5
	Наибольшее	R	0	0	20	31	29	31	30	4	125	
	Наименьшее	L	0	0	0	0	0	0	0	0	0	

ПСКОВСКАЯ ОБЛАСТЬ

121. Замостье, болотная станция

(под естественной поверхностью)

0.25	Среднее	M	0.0	•	13.5	21.9	22.3	25.9	11.4	0.0	92.6	
	Наибольшее	R	0	9	31	31	29	31	29	0	140	
	Наименьшее	L	0	0	0	1	2	5	0	0	8	

124. Дно

(под естественной поверхностью)

0.2	Среднее	M	0.0	3.2	12.0	17.5	21.9	24.5	8.9	0.0	85.6	
	Наибольшее	R	0	13	31	31	29	31	19	0	139	
	Наименьшее	L	0	0	0	0	0	0	0	0	12	
0.4	Среднее	M	0.0	0.0	•	8.4	16.6	13.9	•	0.0	42.1	43
	Наибольшее	R	0	0	17	30	29	31	17	0	113	
	Наименьшее	L	0	0	0	0	0	0	0	0	0	
0.8	Среднее	M	0.0	0.0	0.0	0.0	•	•	•	0.0	•	88
	Наибольшее	R	0	0	0	0	20	31	29	0	80	
	Наименьшее	L	0	0	0	0	0	0	0	0	0	

⑦ Примечание. Точка (•) означает, что в данном месяце на данной глубине температура 0° и ниже наблюдалась менее чем в 50% лет.

Table 4
(continued)

Key: (1) Depth, m; (2) Number of days; (3) Total for winter;
(4) Percentage of years, when there was no frost at depths...;
(7) Note. The dot (●) means that in the given month and at the
given depth a temperature of 0° and lower was observed in less
than in 50% of the years; M - mean; G - greatest; L - least.

Novgorodskaya Oblast

101. Borovich
(under the natural surface)

109. Parfinsk forestry school
(under the natural surface)

Pskovskaya Oblast

121. Zamosh'ye, swamp station
(under the natural surface)

124. Dno
(under the natural surface)

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ТАБЛИЦА 5

**ДАТЫ ПЕРВОГО И ПОСЛЕДНЕГО ЗАМОРОЗКА НА ПОВЕРХНОСТИ
ПОЧВЫ И ПРОДОЛЖИТЕЛЬНОСТЬ БЕЗМОРОЗНОГО ПЕРИОДА**

(a) № станции	(b) Станция	(c) Средняя дата замо- розка		(d) Средняя продолжи- тельность безмороз- ного периода (дни)
		(e) последнего весной	(f) первого осенью	

(g) ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

1	Токари	4 VI	8 IX	95
2	Лесогорский	8 VI	17 IX	100
3	Приозерск	7 VI	19 IX	103
4	Вознесенье	26 V	14 IX	110
10	Выборг	28 V	17 IX	111
11	Лодейное Поле	7 VI	15 IX	100
13	Винницы	9 VI	7 IX	90
14	Сосново	12 VI	18 IX	97
16	Свирица	22 V	20 IX	120
21	Приморск	21 V	4 X	135
25	Рощино	2 VI	24 IX	113
27	Озерки	24 V	29 IX	127
29	Токсово	5 VI	15 IX	101
30	Осиновец	23 V	21 IX	120
33	Новая Ладога	19 V	21 IX	124
35	Гогланд	18 V	9 X	143
38	Мощный	20 V	4 X	136
39	Лисий Нос	15 V	25 IX	132
42	Кронштадт	14 V	8 X	146
44	Лебяжье	19 V	24 IX	127
45	Ленинград, ГМО	20 V	25 IX	127
46	Воейково	4 VI	11 IX	98
47	Шугозеро	11 VI	3 IX	83
49	Петрокрепость	27 V	15 IX	110
52	Ломоносов	16 V	1 X	137
53	Невская (г. Ленинград)	17 V	1 X	136
61	Ново-Саратовская	27 V	24 IX	119
62	Старое Гарколово	20 V	28 IX	134
67	Пушкин	20 V	21 IX	123
75	Саблино	28 V	16 IX	110
76	Тихвин	27 V	8 IX	103
78	Ефимовская	2 VI	5 IX	94
79	Волосово	8 VI	17 IX	100
81	Кингисепп	25 V	23 IX	120
82	Белогорка	23 V	20 IX	119

Table 5. Dates of the first and last frost on the surface of soil and the duration of frost-free period. Key: (a) No. of station. (b) Station. (c) Average date of frost. (d) Average duration of frost-free period (days). (e) last of spring. (f) first of fall. (g) Leningrad region.

1. Tokari. 2. Lesogorskiy. 3. Priozersk. 4. Voznesen'ye. 10. Vyborg. 11. Lodeynoye Pole. 13. Vinnitsy. 14. Sosnovo. 16. Sviritsa. 21. Primorsk. 25. Roshchino. 27. Ozerki. 29. Toksovo. 30. Osinovets. 33. Novaya Ladoga. 35. Gogland. 38. Moshchnyy. 39. Lisiy Nos. 42. Kronshadt. 44. Lebyazh'ye. 45. Leningrad, GMD. 46. Voyeykovo. 47. Shugozero. 49. Petrokrepost'. 52. Lomonosov. 53. Nevskaya (Leningrad). 61. Novo-Saratovskaya. 62. Staroye Garkolovo. 67. Pushkin. 75. Sablino. 76. Tikhvin. 78. Yefimovskaya. 79. Volosovo. 81. Kingisepp. 82. Belogorka.

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№ станции	Станция	Средняя дата заморозка		Средняя продолжительность безморозного периода (дни)
		последнего весной	первого осенью	
83	Любань	30 V	9 IX	101
85	Будогощь	28 V	16 IX	110
87	Осьмино	23 V	21 IX	120
92	Николаевское	28 V	18 IX	112

(a) НОВГОРОДСКАЯ ОБЛАСТЬ

94	Хвойная	30 V	11 IX	103
95	Каменка	1 VI	11 IX	101
96	Веребье	25 V	13 IX	111
99	Охоны	24 V	13 IX	111
100	Новгород	24 V	20 IX	118
101	Боровичи	24 V	16 IX	114
102	Войцы	9 V	2 X	145
103	Окуловка	21 V	19 IX	120
104	Крестцы	24 V	16 IX	114
106	Коростынь	23 V	16 IX	115
108	Старая Русса	18 V	23 IX	127
110	Валдай	22 V	19 IX	119
113	Демянск	16 V	19 IX	125
115	Марево	16 V	22 IX	128
116	Холм	21 V	20 IX	121

(b) ПСКОВСКАЯ ОБЛАСТЬ

117	Гдов	16 V	2 X	138
118	Ляды	26 V	15 IX	112
122	Струги Красные	24 V	19 IX	117
123	имени Залита, остров	10 V	8 X	150
124	Дно	17 V	24 IX	129
125	Псков	23 V	24 IX	123
130	Остров	18 V	22 IX	126
131	Пыталово	21 V	23 IX	124
132	Пушкинские Горы	22 V	25 IX	125
133	Сушево	27 V	18 IX	113
134	Опочка	19 V	19 IX	122
137	Великие Луки	23 V	19 IX	118
138	Идрица	16 V	23 IX	129
139	Жигалово	13 V	17 IX	126

Key: (a) Novgorod region. (b) Pskov region.

83. Lyuban'. 85. Budogoshch'. 87. Os'mino. 92. Nikolayevskoye.
94. Khvoynaya. 95. Kamenka. 96. Vereb'ye. 99. Okhony. 100.
Novgorod. 101. Borovichi. 102. Voytsy. 103. Okulovka. 104.
Kresttsy. 106. Korostyn'. 108. Staraya Russa. 110. Valday. 113.
Demyansk. 115. Murevo. 116. Kholm. 117. Gdov. 118. Lyady. 122.
Strugi Krasnyye. 123. imeni Zalita, ostrov. 124. Dno. 125.
Pskov. 130. Ostrov. 131. Pytalovo. 132. Pushkinskiye Gory. 133.
Sushchevo. 134. Opochka. 137. Velikiye Luki. 138. Idritsa. 139.
Zhigalovo.

ТАБЛИЦА 6

**ДАТЫ ПЕРВОГО И ПОСЛЕДНЕГО МОРОЗА В ПОЧВЕ
И ПРОДОЛЖИТЕЛЬНОСТЬ БЕЗМОРОЗНОГО ПЕРИОДА**

(a) Глубина (м)	(b) Дата мороза						(e) Средняя продолжи- тельность безмороз- ного периода (дни)
	(d) последнего			(e) первого			
	(f) средняя	(g) самая ранняя	(h) самая поздняя	(f) средняя	(g) самая ранняя	(h) самая поздняя	
(i) ЛЕНИНГРАДСКАЯ ОБЛАСТЬ							
(j) 4. Вознесенье							
0.1	21 IV	11 IV	3 V	17 XI	18 X	30 XI	209
0.2	15 IV	24 II	4 V	24 XII	13 XI	24 II	252
0.4	12 IV	21 III	6 V	25 I	1 XII	25 III	287
0.8	•		23 IV	•	6 I		
(k) 31. Сестрорецк							
0.1	19 IV	10 IV	30 IV	5 XI	30 IX	26 XII	199
0.2	10 IV	28 II	1 V	20 XII	3 XI	1 II	253
0.8	19 II	19 I	20 IV	4 I	29 XII	20 III	318
(l) 40. Ленинград, Лесной							
0.1	18 IV	3 IV	30 IV	19 XI	18 X	11 I	214
0.2	15 IV	30 III	1 V	11 XII	26 X	31 I	239
0.4	17 III	3 I	25 IV	7 I	18 XI	24 II	295
0.8	•		20 IV	•	4 III		
(m) 42. Кронштадт							
0.1	16 IV	6 IV	29 IV	19 XI	22 X	15 XII	216
0.2	14 IV	23 III	29 IV	8 XII	18 XI	29 I	237
0.4	2 IV	19 III	4 V	4 I	19 XII	19 III	276
0.8	•		6 V	•	12 II		
(n) 45. Ленинград, ГМО (старая площадка)							
(o) (под оголенной поверхностью)							
0.4	14 IV	3 IV	20 IV	26 XI	13 XI	15 XII	225
0.8	5 V	27 IV	11 V	31 XII	22 XII	10 I	239
1.6	•		9 VI	•	8 II		
(p) 45. Ленинград, ГМО							
(q) (под естественной поверхностью)							
0.2	15 IV	24 III	3 V	6 XII	27 X	25 III	234
0.4	9 IV	1 III	5 V	26 XII	17 XI	13 III	260
0.8	•		10 V	•	26 I		
(r) 46. Воейково							
0.2	18 IV	3 IV	1 V	20 XII	12 XI	3 II	245
0.4	30 III	10 III	14 V	12 I	22 XII	21 III	287
0.6	•		12 V	•	7 II		
(s) 59. Приладога							
0.1	18 IV	7 IV	30 IV	6 XI	17 X	3 XII	201
0.2	18 IV	7 IV	11 V	1 XII	9 XI	10 I	226
0.4	12 IV	31 III	1 V	17 XII	27 XI	22 I	248
0.8	•		28 IV	•	22 XII		

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Table 6. Dates of the first frost in soil and the duration of Frost-free period. Key: (a) Depth (m). (b) Date of Frost. (c) Average duration of Frost-free period (days). (d) last. (e) First. (f) average. (g) earliest. (h) latest. (i) Leningrad region. (j) Voznesen'ye. (k) Sestroretsk. (l) Leningrad, Lesnoy. (m) Kronshadt. (n) Leningrad, GMD (staraya ploshchadka). (o) under bare surface. (p) Leningrad, GMD. (q) under natural surface. (r) Voyeykovo. (s) Priladoga.

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Глубина (м)	Дата мороза						Средняя продолжи- тельность безмороз- ного периода (дни)
	последнего			первого			
	средняя	самая ранняя	самая поздняя	средняя	самая ранняя	самая поздняя	

(a) 62. Старое Гарколово

0.2	10 IV	2 IV	19 IV	28 XI	12 XI	14 XII	231
0.4	4 IV	14 III	18 IV	28 XII	23 XI	1 II	267
0.8	•		27 IV	•	26 XII		

(b) 70. Павловск

(c) (под оголенной поверхностью)

0.2	9 IV	21 III	22 IV	10 XI	12 X	3 XII	214
0.4	12 IV	2 IV	22 IV	24 XI	27 X	19 XII	225
0.8	20 IV	24 III	4 V	27 XII	28 XI	20 I	250

(d) 70. Павловск

(e) (под естественной поверхностью)

0.2	9 III	26 I	7 V	6 XII	5 XI	26 II	271
0.4	•		24 IV	•	3 XII		

(f) 78. Ефимовская

0.2	24 III	30 XII	29 IV	20 XI	1 XI	13 XII	240
0.4	•			•			
0.6	•			•			
0.8	•			•			

(g) 82. Белогорка

0.2	29 III	11 I	1 V	13 X	3 XI	13 III	197
0.4	•		3 V	•	21 XII		
0.6	•			•			
0.8	•			•			

(h) 92. Николаевское

0.1	15 IV	31 III	5 V	12 XI	12 X	15 XII	210
0.2	27 III	7 XII	30 IV	19 XII	26 X	13 III	266
0.4	•		23 IV	•	10 XII		
0.8	•			•			

(i) НОВГОРОДСКАЯ ОБЛАСТЬ

(j) 101. Боровичи

0.2	13 IV	26 III	30 IV	16 XII	8 XI	21 I	246
0.4	9 IV	5 II	2 V	28 XII	12 XI	5 II	262
0.6	3 IV	16 III	30 IV	16 I	13 XII	4 III	287
0.8	•		25 IV	•	21 I		

(k) 109. Парфинская лесная школа

0.1	15 IV	10 III	30 IV	16 XI	18 X	23 XII	214
0.2	30 III	22 II	11 V	3 I	1 XII	5 III	278
0.4	•			•			

(l) ПСКОВСКАЯ ОБЛАСТЬ

(m) 124. Дно

0.2	4 IV	8 II	19 IV	21 XII	16 XI	2 III	260
0.4	20 III	5 III	17 IV	2 I	8 XII	11 II	287
0.8	•			•			

(n) Примечание. Точка (•) означает, что на данной глубине морозы были менее чем в 50% лет.

Key: (a) Staroye Garkolovo. (b) Pavlovsk. (c) under bare surface. (d) Pavlovsk. (e) under natural surface. (f) Yefimovskaya. (g) Belogorka. (h) Nikolayevskoye. (i) Novgorod region. (j) Borovichi. (k) Parfinskaya lesnaya shkola. (l) Pskov region. (m) Dno. (n) Note. Point (—) denotes that at given depth the frosts were less than 50 o/o of a year.

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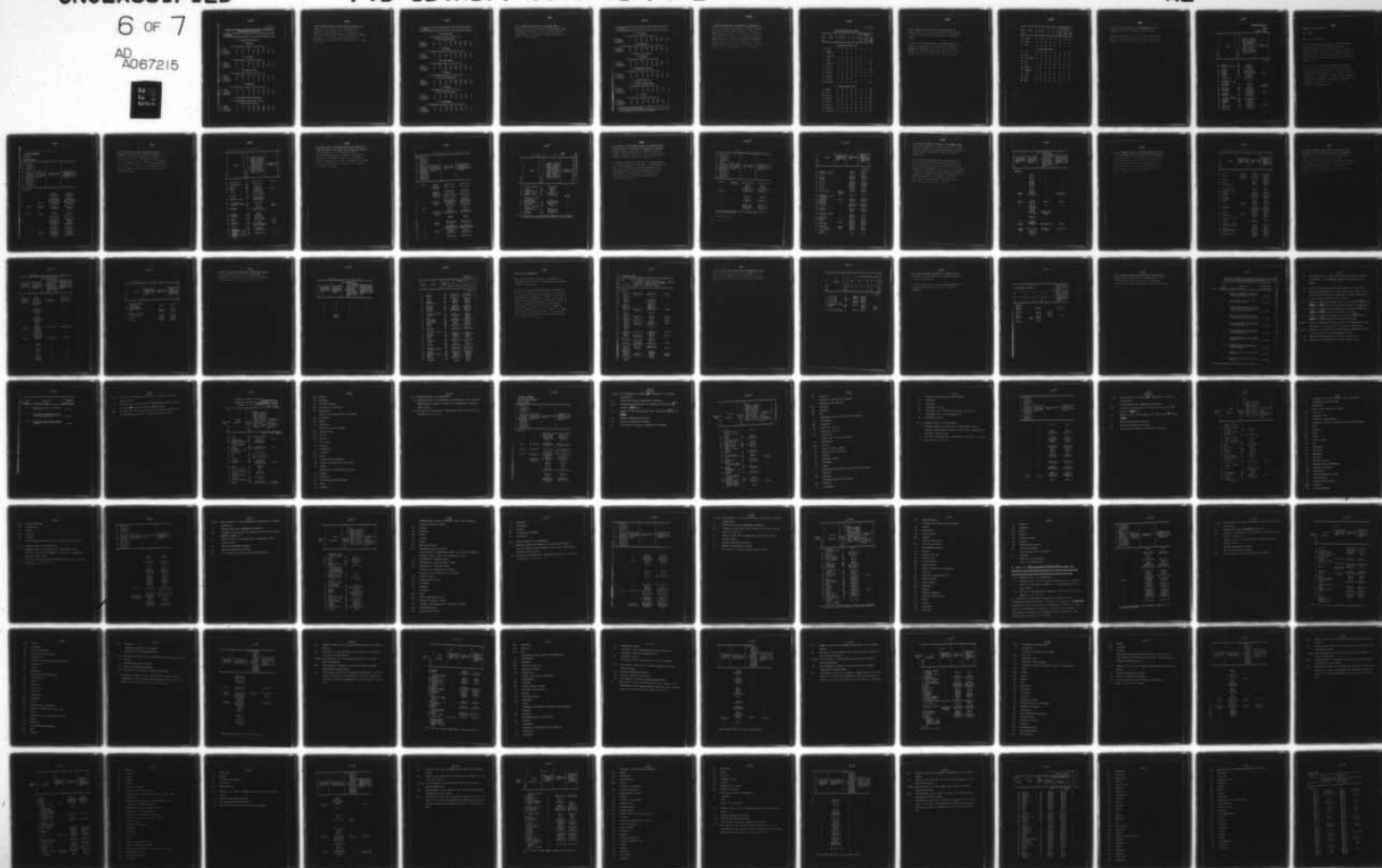
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ТАБЛИЦА 7

СРЕДНЯЯ НАИБОЛЬШАЯ И НАИМЕНЬШАЯ ГЛУБИНА ПРОНИКНОВЕНИЯ
ТЕМПЕРАТУРЫ 0° В ПОЧВУ (см)

(a) Глубина проникновения	X	XI	XII	I	II	III	IV	V
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(b) ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

(c) 4. Вознесенье

(d) По наблюдениям на глубинах: 0.1, 0.2, 0.4, 0.8, 1.6 м

(e) Средняя	•	16	30	57	60	65	56	•
(f) Наибольшая	12	38	71	110	124	125	113	40
(g) Наименьшая	0	0	10	19	20	0	13	0

(h) 31. Сестрорецк

(d) По наблюдениям на глубинах: 0.1, 0.2, 0.8, 1.6 м

(e) Средняя	11	17	48	74	88	82	49	•
(f) Наибольшая	38	68	95	127	134	135	92	20
(g) Наименьшая	0	0	16	19	34	18	13	0

(i) 40. Ленинград, Лесной

(d) По наблюдениям на глубинах: 0.1, 0.2, 0.4, 0.8 и 1.6 м

(e) Средняя	•	16	28	46	52	52	41	•
(f) Наибольшая	30	54	63	77	75	100	91	20
(g) Наименьшая	0	0	0	18	20	20	17	0

(j) 42. Кронштадт

(d) По наблюдениям на глубинах: 0.1, 0.2, 0.4, 0.8, 1.6 и 3.2 м

(e) Средняя	•	15	32	47	57	61	50	•
(f) Наибольшая	14	27	61	74	101	113	91	80
(g) Наименьшая	0	0	15	20	25	26	18	0

(k) 45. Ленинград, ГМО (старая площадка)

(d) По наблюдениям на глубинах: 0.4, 0.8, 1.6 и 3.2 м

(l) (под оголенной поверхностью)

(e) Средняя	0	39	81	116	143	149	128	78
(f) Наибольшая	0	77	98	153	205	206	178	170
(g) Наименьшая	0	0	73	87	101	113	91	0

Table 7. Average greatest and least depth of penetration of temperature 0° into the soil (cm). Key: (a) Depth of penetration. (b) Leningrad region. (c) Voznesen'ye. (d) According to observations at depth: (e) Average. (f) Greatest. (g) Least. (h) Sestronetsk. (i) Leningrad, Lesnoy. (j) Kronshtadt. (k) Leningrad, GMD (staraya plashchadka). (l) under bare surface.

(a) Глубина проникновения	X	XI	XII	I	II	III	IV	V
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(b) 45. Ленинград, ГМО

(c) По наблюдениям на глубинах: 0.2, 0.4, 0.8 и 1.6 м

(d) (под естественным покровом)

(e) Средняя	•	7	33	48	56	59	50	•
(f) Наибольшая	24	46	71	80	117	120	106	90
(g) Наименьшая	0	0	0	0	0	23	0	0

(h) 46. Воейково

(c) По наблюдениям на глубинах: 0.2, 0.4, 0.6, 0.8, 1.2, 1.6, 3.2 м

(e) Средняя	0	•	20	33	40	44	40	•
(f) Наибольшая	0	28	42	74	72	73	70	40
(g) Наименьшая	0	0	0	0	20	20	20	0

(i) 62. Старое Гарколово

(c) По наблюдениям на глубинах: 0.1, 0.2, 0.4, 0.8 и 1.6 м

(e) Средняя	•	22	58	77	97	93	55	0
(f) Наибольшая	19	47	105	130	139	127	112	0
(g) Наименьшая	0	0	23	25	47	52	20	0

(j) 70. Павловск

(c) По наблюдениям на глубинах: 0.2, 0.4, 0.8, 1.6, 3.2 м

(k) (под оголенной поверхностью)

(e) Средняя	•	51	91	122	136	136	103	•
(f) Наибольшая	46	86	143	151	155	154	147	80
(g) Наименьшая	0	18	70	71	102	84	40	0

(l) 70. Павловск

(c) По наблюдениям на глубинах: 0.2, 0.4, 0.8 и 1.6 м

(d) (под естественным покровом)

(e) Средняя	0	•	12	21	21	19	14	0
(f) Наибольшая	0	38	53	59	53	53	40	0
(g) Наименьшая	0	0	0	0	0	0	0	0

(m) 78. Ефимовская

(c) По наблюдениям на глубинах: 0.2, 0.4, 0.8, 1.2, 1.6, 2.4 и 3.2 м

(e) Средняя	0	16	22	25	26	26	24	0
(f) Наибольшая	0	34	38	68	84	88	67	0
(g) Наименьшая	0	0	0	0	0	0	0	0

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Key: (a) Depth of penetration. (b) Leningrad, GMD. (c)
According to observations at depths: (d) under natural cover.
(e) Average. (f) Greatest. (g) Least. (h) Voyeykovo. (i)
Staraya Garkolovo. (j) Pavlovsk. (k) under bare surface. (l)
Pavlovsk. (m) Yefimovskaya.

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(а) Глубина проникновения	X	XI	XII	I	II	III	IV	V
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(b) 82. Белогорка

(c) По наблюдениям на глубинах: 0.2, 0.4, 0.8 и 1.6 м

(d) Средняя	0	•	19	30	38	41	35	•
(e) Наибольшая	0	37	60	64	75	95	86	48
(f) Наименьшая	0	0	0	0	0	0	0	0

(г) 92. Николаевское

(c) По наблюдениям на глубинах: 0.1, 0.2, 0.4, 0.6, 0.8, 1.2, 1.6, 2.4 и 3.2 м

(d) Средняя	•	12	28	35	38	39	30	•
(e) Наибольшая	25	34	64	80	98	107	96	80
(f) Наименьшая	0	0	0	0	0	0	0	0

(h) НОВГОРОДСКАЯ ОБЛАСТЬ

(i) 101. Боровичи

(c) По наблюдениям на глубинах: 0.2, 0.4, 0.8, 1.2 и 1.6 м

(d) Средняя	0	•	34	57	70	77	63	•
(e) Наибольшая	0	58	70	88	96	110	105	40
(f) Наименьшая	0	0	0	35	40	30	0	0

(j) 109. Парфинская лесная школа

(c) По наблюдениям на глубинах: 0.1, 0.2, 0.4, 0.8 и 1.6 м

(d) Средняя	3	14	25	34	40	42	33	4
(e) Наибольшая	11	19	38	59	67	67	58	40
(f) Наименьшая	0	0	16	17	19	26	19	0

(k) ПСКОВСКАЯ ОБЛАСТЬ

(l) 121. Замошье, болотная станция

(c) По наблюдениям на глубинах: 0.25, 0.5 и 1.0 м

(d) Средняя	0	13	29	34	36	38	24	0
(e) Наибольшая	0	30	48	43	46	47	43	0
(f) Наименьшая	0	0	0	25	25	28	0	0

(m) 124. Дно

(c) По наблюдениям на глубинах: 0.2, 0.4, 0.8 и 1.6 м

(d) Средняя	0	•	23	34	48	49	42	0
(e) Наибольшая	0	32	45	65	90	120	107	0
(f) Наименьшая	0	0	0	0	0	0	0	0

(n) Примечание. Нуль (0) означает, что температура 0° не достигает глубины самого близкого к поверхности термометра.

Точка (•) означает, что в данном месяце более чем в 50% лет температура 0° не достигает глубины самого близкого к поверхности термометра.

(a) Depth of penetration. (b) Belogorka. (c) According to observations at depths: (d) Average. (e) Greatest. (f) Least. (g) Nikolayevskoye. (h) Novgorod region. (i) Borovichi. (j) Parfinskaya Iesnaya shkola. (k) Pskov region. (l) Zamosh'ye, bolotnaya station. (m) Dno. (n) Note. Zero (0) denotes that temperature 0° does not reach the depth of the thermometer closest to the surface. Point (.) denotes that in the given month more than 50 o/o of the year the temperature 0° does not reach the depth of the thermometer closest to the surface.

ТАБЛИЦА 8

ГЛУБИНА ПРОМЕРЗАНИЯ ПОЧВЫ (см)

а) № станции	б) Станция	XI	XII	I	II	III	в) Из максимальных за зиму		
							г) средняя	е) наименьшая	ж) наибольшая

(г) ЛЕНИНГРАДСКАЯ ОБЛАСТЬ

13	Винницы	13	23	32	37	33	38	11	59
45	Ленинград. ГМО	7	19	38	47	51	—	—	—
61	Ново-Саратов- ская	9	24	37	42	39	44	—	—
76	Тихвин	12	29	38	40	42	55	5	103
78	Ефимовская . .	14	25	34	36	34	40	2	95
79	Волосово . . .	8	19	30	34	35	41	1	67
81	Кингисепп . . .	6	18	31	45	40	50	11	108
82	Белогорка . . .	9	24	38	41	46	52	10	112
85	Будогощь . . .	12	25	34	38	39	45	23	74
87	Осьмино	13	30	30	32	—	—	—	—
92	Николаевское .	8	25	35	42	40	47	6	85

(д) НОВГОРОДСКАЯ ОБЛАСТЬ

96	Веребье	9	22	34	44	43	47	10	86
99	Охны	16	33	39	43	45	47	8	99
100	Новгород . . .	11	29	42	52	54	56	18	105
101	Боровичи . . .	20	38	57	72	79	81	22	140
103	Окуловка . . .	12	22	31	37	38	43	10	88
104	Крестцы	13	25	38	49	56	51	20	123
106	Коростынь . .	14	25	39	46	49	50	18	90
108	Старая Русса .	11	23	38	47	54	54	20	130

Table 8. Depth of Freezing of soil (cm). Keys: (a) No. of station. (b) Station. (c) From maximum for winter. (d) average. (e) least. (f) greatest. (g) Leningrad region. (h) Novgorod region.

13. Vinnitsy. 45. Leningrad, GMD. 61. Novo-Saratovskaya. 76. Tikhvin. 78. Yefimovskaya. 79. Volosovo. 81. Kingisepp. 82. Belogorka. 85. Budogoshch'. 87. Os'mino. 92. Nikolayevskaya. 96. Vereb'ye. 99. Okhony. 100. Novgorod. 101. Borovichi. 103. Okulovka. 104. Kresttsy. 106. Korostyn'. 108. Staraya Russa.

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(a) № станции	(b) Станция	XI	XII	I	II	III	Из максимальных за зиму (c)		
							(d) средняя	(e) наименьшая	(f) наибольшая
110	Валдай	11	26	36	41	50	52	12	120
115	Марево	14	26	40	46	45	47	14	87
116	Холм	8	19	30	36	40	42	14	70

(3) ПСКОВСКАЯ ОБЛАСТЬ

117	Гдов	12	25	46	51	54	59	25	135
118	Ляды	6	22	32	38	36	47	12	114
122	Струги Красные	9	24	36	37	34	41	13	78
124	Дно	8	15	26	34	39	41	16	57
125	Псков	9	27	45	53	54	65	16	125
131	Пыталово	7	23	36	50	51	53	20	123
132	Пушкинские Горы	9	15	27	28	19	31	7	54
133	Сушево	10	24	41	50	46	53	25	78
134	Опочка	11	25	34	41	48	52	26	80
138	Идрица	11	24	31	35	37	49	15	82

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(a) No. of station. (b) Station. (c) From maximum for winter.

(d) average. (e) least. (f) greatest. (g) Pskov region.

110. Valday. 115. Marevo. 116. Kholm. 117. Gdov. 118. Lyady.

122. Strugi Krasnyye. 124. Dno. 125. Pskov. 131. Pytalovo. 132.

Pushkinskiye Gory. 133. Sushchevo. 134. Opochka. 138. Idritsa.

АЛФАВИТНЫЙ УКА

КАРЕЛЬ

Раздел 1. Темпе

(a) № станции	(b) Станция	(e) Высота (м)	(c) 1. Средняя месячная температура воздуха. 5. Даты наступления средних суточных температур выше определенных пределов и число дней с температурой, превышающей эти пределы. 15. Суммы средних суточных температур ниже —15, —10, —5, 0 и выше 0, 5, 10, 15	(d) 2. Суточный ход температуры
(f) Годы				
	64 Андрусово	156	1933—41	—
	18 Беломорск (Сорокская)	76	1930—35	—
	56 Валаам	366	1905—20, 33—37, 45—58	—
	47 Василисин	43	1953—60	—
	63 Видлица	13	1944—47, 49—60	—
	22 Воренжа	80?	1935—47, 49—60	—
	38 Вяртсиля	102	1884—14, 41, 45—60	1953—62
	5 Гридино	8	1915—60	—
	29 Данилово	138	1931—41, 43—47, 49—60	—
	16 Жужмуй, остров . . .	26	1897—08, 12—60	—
	54 Импилахти	?	1933—37	—
	Канзанаволок, см. Куганаволок		—	—
	13 Кемь, город	8	1881—44	—
	11 Кемь, порт	7	1916—60	1933—36, 41—48, 51—60
	6 Кестеньга	130	1945—60	—
	19 Кимасозеро	1356	1893—1901	—
	44 Клименицы	40	1929—33, 35—38, 50—60	—
	20 Колежма	4	1937—45, 47—60	1953—62
	51 Колодозеро	128?	1938—60	—
	39 Кондопога	42	1925—32, 35—41, 44—60	—
	36 Куганаволок (Канзанаволок)	151	1931—36, 38, 41—60	—
	31 Кудам-Губа	1736	1949—60	—
	60 Куркийоки	16	1908—12	—
	57 Ладва	57	1931—32, 39—40, 47—60	—
	4 Лоухи	92	1927—60	1951—60
	58 Мантсинсаари	24	1919—23, 30—37, 57—60	—
	27 Масельская	154	1931—35	—

Alphabetic Index of Stations.

Karel' ASSR

Section 1. Air temperature.

Key: (a) No. of station. (b) Station. (c) 1. Average monthly air temperature. 5. Dates of onset of average daily temperatures above certain limits and the number of days with temperature exceeding these limits. 15. Sums of average daily temperatures below -15, -10, -5, 0 and above 0, 5, 10, 15. (d) 2. Daily variation of temperature. (e) Height (m). (f) Years of observations.

64. Andrusovo. 18. Belomorsk (Sorokskaya). 56. Valaam. 47. Vasilisin. 63. Vidlitsa. 22. Vorenzha. 38. Vyatsilya. 5. Gridino. 29. Danilovo. 16. Zhuzhmuy, ostrov. 54. Impilakhti, Kananavolok, see Kuganavolok. 13. Kem', city. 11. Kem', port. 6. Kesten'ga. 19. Kimasozero. 44. Klimenitsy. 20. Kolehma. 51. Koladozero. 39. Kondopoga. 36. Kuganavolok (Kananavolok). 31. Kudam-buda. 60. Kurkiyoki. 57. Ladva. 4. Loukhi. 58. Mantsinsaari. 27. Masel'skaya.

heading goes on page 294

ЗАТЕЛЬ СТАНЦИИ

СКАЯ АССР

ратура воздуха

3. 3 ^a . Повторяемость суточной амплитуды (вне зависимости от состояния неба). 4. Средняя междусуточная изменчивость температуры 4 ^a Повторяемость междусуточной изменчивости температуры воздуха в определенных пределах (%)	6. Число дней со средней суточной температурой в различных пределах	7. Средний минимум температуры	8. Абсолютный минимум температуры. 10. Средний из абсолютных минимумов температуры
(a)	(b)	(c)	(d)

наблюдений

—	—	1933—41	1933—41
—	—	1930—35	1930—35
—	—	1891—17, 33—37, 45—58	1891—17, 33—37, 45—58
—	—	1953—60	1953—63
—	—	1944—47, 49—60	1944—47, 49—63
—	—	1935—46, 49—60	1935—46, 49—63
—	—	1906—14, 41, 45—60	1906—14, 41, 45—63
—	1915—60	1915—60	1916—64
—	—	1931—41, 49—60	1931—41, 49—63
1936—60	1897, 06—08, 11—60	1897, 99—08, 12—15, 19—60	1899—08, 12—15, 19—64
—	—	1933—37	1933—37
—	—	—	—
—	—	1891—44	1891—44
1936—60	1917—60	1916—60	1916—64
—	—	—	—
—	—	1945—46, 48—60	1936—41, 45—63
—	—	—	—
—	—	1929—33, 35—38, 50—60	1929—33, 35—38, 50—62
—	—	1937—45, 47—60	1937—63
—	—	1938—60	1938—63
—	—	1925—32, 35—41, 44—60	1925—32, 35—41, 44—63
—	—	—	—
—	—	1934, 36, 38—60	1934, 36, 38—63
—	—	1949—60	1949—62
—	—	—	—
—	—	1931—32, 39—40, 47—60	1931—32, 39—40, 47—63
—	1927—62	1927—60	1928—63
—	—	1931—37, 57—60	1931—37, 57—62
—	—	—	—
—	—	1931—32	—

(a) 3, 3a. Repetition of daily amplitude (outside the dependence of the condition of the sky). 4. Average interdiurnal variation of temperature. 4a. Repetition of interdiurnal variation of air temperature in certain limits (o/o). (b) 6. Number of days with average daily temperature in various limits. (c) 7. Average minimum of temperature. (d) 8. Absolute minimum of temperature. 10. Average of absolute temperature minimums.

heading same as page 294

№ станции	Станция	Высота (м)	1. Средняя месячная температура воздуха. 5. Даты наступления средних суточных температур выше определенных пределов и число дней с температурой, превышающей эти пределы. 15. Суммы средних суточных температур ниже -15, -10, -5, 0 и выше 0, 5, 10, 15	2. Суточный ход температуры
30	Медвежьегорск	89	1925—41, 44—60	1953—62
28	Морская Масельга	120	1898—17, 27—36	—
23	Надвоицы	98	1931—35	—
3	Оланга	106	1945—60	—
65	Олонiec	11	1896—04, 25—41, 44—60	1951—62
26	Паданы	130	1889—94, 97—09, 14—41, 44—60	—
55	Палалахта	90	1928, 32—41, 44—60	—
12	Папозеро	89	1942—44, 49—60	—
50	Петрозаводск, город	79	1881—1898, 1901—04, 07—16, 24—34	—
46	Петрозаводск, озеро	40	1933—41, 44—52	—
45	Петрозаводск, Сулаж-Гора	110	1949—60	1951—53, 55—62
8	Пильдозеро	72	1937—60	—
32	Повенец	41	1881—91, 97—06, 08—10, 13—18, 31—36	—
18	Подужемье	286	1950—57	—
9	Поньгома	8	1947—57	—
34	Поросозеро	140	1894—97, 99—00, 02—04	—
53	Прижа	134	1935—41, 44—60	—
49	Пудож	61	1913—19, 25—60	1951—52, 55—62
17	Раз-Наволоок	10	1919—60	—
24	Реболы	179	1914—18, 27, 30—32, 34—36, 38—41, 45—60	1951—61
21	Ругозеро	160	1938—41, 45—60	—
25	Сегежа	110	1927—60	—
41	Сенная Губа	62	1938—41, 45—50	—
	Сердоболь, см. Сор- вала		—	—
33	Сондозеро	1667	1938—41, 45—60	—
	Сорокская, см. Бело- морск		—	—

30. Medvezh'yegorsk. 28. Morskaya Masel'ga. 23. Nadvoytsy. 3.

Olanga. 65. Olonets. 26. Padany. 55. Palalakhta. 12. Panozero.

50. Petrozavodsk, city. 46. Petrozavodsk, lake. 45.

Petrozavodsk, Sulazh-Gora. 8. Pil'dozero. 32. Povenets. 18.

Poduzhem'ye. 9. Pon'goma. 34. Porosozero. 53. Pryazha. 49.

Pudozh. 17. Raz-Navilok. 24. Reboly. 21. Rugozero. 25. Segezha.

41. Sennaya Guba, Serdobol', see Sortavala. 33. Sovdozero,

Sorokskaya, see Belomorsk.

heading same as page 295

3. 3* Повторяемость суточной амплитуды (вне зависимости от состояния неба).			
4 Средняя междусуточная изменчивость температуры	6 Число дней со средней суточной температурой в различных пределах	7. Средний минимум температуры	8. Абсолютный минимум температуры.
4* Повторяемость междусуточной изменчивости температуры воздуха в определенных пределах (%)			10. Средний из абсолютных минимумов температуры

1936-60	1925-41, 44-62	1926-41, 44-60	1926-41, 44-63
—	1898-17, 27-28, 30-35	1898-17, 27-36	1898-17, 27-36
—	—	—	—
—	1896-04, 25-41, 45-60	1945-60	1945-62
—	1889-95, 97-08, 14-40, 45-62	1925-41, 44-60	1925-41, 44-63
—	—	1891-93, 97-01, 02-09, 14-41, 44-60	1891-93, 97-09, 14-41, 44-63
—	—	1928, 32-41, 44-60	1928, 32-41, 44-63
—	—	1942-44, 49-60	1942-44, 49-60
—	1881-99, 01-05, 07-16, 24-35	1891-98, 02-04, 07, 13-15, 24-34, 37-60	1891-98, 02-04, 07-11, 13-15, 24-34, 37-63
—	—	1933-41, 44-52	1933-41, 44-52
1936-60	—	1949-60	1949-63
—	—	1937-60	1937-63
—	1881-91, 97-06, 08-10, 13-17, 25, 31-35	1891, 97-06, 08-09, 13-18, 31-36	1891, 97-06, 08-09, 13-18, 31-36
—	—	1950-57	1950-57
—	—	1947-57	1947-57
—	—	—	—
—	—	1935-41, 44-60	1935-41, 44-63
—	1913-19, 25-62	1913-19, 25-60	1913-19, 25-63
—	—	1919-60	1919-60
—	—	1914-18, 30-32, 34-36, 38-41, 45-60	1914-18, 27, 30, 32, 34-36, 38-41, 45-60
—	—	1938-41, 45-46, 48-60	1938-41, 45-63
—	1927-62	1927-60	1927-63
—	—	1938-41, 45-50	1938-41, 45-50
—	—	—	—
—	—	1938-41, 45-60	1938-41, 45-63
—	—	—	—

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heading same as page 294

№ станции	Станция	Высота (м)	1. Средняя месячная температура воздуха 5. Даты наступления средних суточных температур выше определенных пределов и число дней с температурой, превышающей эти пределы. 15. Суммы средних суточных температур ниже -15, -10, -5, 0 и выше 0, 5, 10, 15	2. Суточный ход температуры
52	Сортавала (Сердоболь)	17	1881—86, 89—37, 41, 45—60	—
7	Софьянга	106	1945—57	—
37	Спасская Губа	956	1937—41	—
43	Суостамо, Леппясюръя	?	1933—37	—
40	Суоярви	143	1908—17, 41, 44—60	—
48	Теребовская и Шала	34	1946—60	—
10	Ухта	111	1935—41, 46—60	1951—53, 55—61
	Федотово, см. Шульга и Федотово			
59	Ханхипааси, маяк	?	1901—32	—
61	Хейнялуото, маяк	66	1901—16, 18, 23—28	—
62	Хиитола, Хиеккалаhti	?	1926—27, 31—33	—
1	Черная Река	5	1937—43, 45—57	—
2	Чупа	546	1925—32	—
	Шала, см. Теребовская и Шала			
35	Шульга и Федотово	487	1898—04, 13—16, 35—41, 44—60	—
15	Юшкозеро	95	1936—42, 44—60	—
42	Янисъярви	916	1945—57	—

(а) Примечания. 1) в графе «Высота» приведена высота метеоплощадки; метра — высота со значком «б»; 3) при отсутствии сведений о высоте метеорологи-

Key: (a) Note. 1) in the graph "Height" is provided the height of weather area; 2) in the case of the absence of information about the height of weather area is provided the height of barometer - height with sign "b"; 3) with no information about the height of weather station there is placed sign "?".

52. Sortavala (Serdobol'). 7. Sof'yanga. 37. Spasskaya Guba.

43. Suistamo, Leppyasyun'ya. 40. Suoyarvi. 48. Terebovskaya and Shala. 10. Ukhta. Fedotovo, see Shun'ga and Fedotovo. 59.

Khankhipaasi, mayak. 61. Kheynyaluoto, mayak. 62. Khiitola,

Khiyekkalakhti. 1. Chernaya Reka. 2. Chupa. Shala, see

Terebovskaya and Shala. 35. Shun'ga and Fedotovo. 15.

Yushkozero. 42. Yanis'yarvi.

heading same as page 295

3, 3 ^a . Повторяемость суточной амплитуды (вне зависимости от состояния неба).			
4. Средняя междусуточная изменчивость температуры	6. Число дней со средней суточной температурой в различных пределах	7. Средний минимум температуры	8. Абсолютный минимум температуры.
4 ^a . Повторяемость междусуточной изменчивости температуры воздуха в определенных пределах (%)			10. Средний из абсолютных минимумов температуры

1945—60	1881—86, 89—35, 45—62	1916—37, 41, 45—60	1916—37, 45—63
—	—	1945—57	1945—57
—	—	1937—41	1937—41
—	—	1933—37	1933—37
—	—	1908—17, 41, 45—60	1908—17, 41, 45—63
1936—60	—	1946—60	1946—63
		1935—41, 46—60	1935—41, 46—63
—	—	1927—32	1927—32
—	—	1924—28	1924—28
—	—	—	—
—	—	1937—43, 45—57	1938—43, 45—57
—	—	1925—32	1925—32
—	—	—	—
—	—	1898—04, 13—16, 35—41, 44—60	1898—04, 13—16, 35—41, 44—61
—	—	1936—42, 44—60	1936—42, 44—63
—	—	1945—57	1945—57

2) в случае отсутствия сведений о высоте метеоплощадки приведена высота барической станции поставлен знак «?».

*translation placed
on page 298*

(a) № станции	(b) Станция	(c) 9. Число дней с минимальной температурой в различных пределах	(d) 11. Средний максимум температуры	(e) 12. Абсолютный максимум температуры. 14. Средний из абсолютных максимумов температуры
(f) Годы				
64	Андрусово		1933—41	1933—41
18	Беломорск (Сорокская)		1930—35	1930—35
56	Валаам		1933—37, 45—58	1933—37, 45—58
47	Василиси		1953—60	1953—63
63	Видлица		1944—60	1944—63
22	Воренжа		1934—45, 48—60	1934—45, 48—63
38	Вяртсиля		1906—14, 41, 45—60	1906—14, 41, 45—63
5	Гридино		1915—30, 33—60	1915—64
29	Данилово		1931—41, 43—60	1931—41, 43—63
16	Жужмуй, остров	1912—15, 19—54, 56, 58—60	1922—60	1919—60
54	Импилахти		1933—37	1933—37
	Канзанаволок, см. Ку- ганаволок	—	—	—
13	Кемь, город		1912—43	1912—44
11	Кемь, порт	1916—60	1916—60	1916—64
6	Кестеньга		1945—60	1945—63
19	Кимасозеро	—	—	—
44	Клименицы		1929—33, 35—38, 50—60	1929—33, 35—38, 50—62
20	Колежма		1937—60	1937—63
51	Колдозеро		1935—60	1935—63
39	Кондопога	—	1925—41, 44—60	1925—41, 44—63
36	Куганаволок (Канзана- волок)	—	1934—37, 38—60	1934—63
31	Кудам Губа	—	1949—60	1949—60
60	Куркийоки	—	—	—
57	Ладва	—	1931—40, 48—60	1931—40, 48—63
4	Лоухи	1927—62	1928—60	1928—63
58	Мантсинсаари	—	1931—36, 57—60	1931—37, 57—60
27	Масельская	—	1931—35	—
30	Медвежьегорск	1926—41, 44—62	1926—41, 45—60	1926—41, 44—63
28	Морская Масельга	—	1931—36	1931—36
23	Надвойцы	—	—	—
3	Оланга	—	1945—60	1945—62

Keys: (a) No. of station. (b) Station. (c) 9. Number of days with minimum temperature in various limits. (d) 11. Average temperature maximum. (e) 12. Absolute temperature maximum. 14. Average of absolute temperature maximums. (f) Years of observations.

64. Andrusovo. 18. Belomorsk (Sorokskaya). 56 Valaam. 47. Vasilisin. 63. Vidlitsa. 22. Vorenzha. 38. Vyartsilya. 5. Gridino. 29. Danilovo. 16. Zhizhmuy, ostrov. 54. Impilakhti. Kananavolok, see Kuganavolok. 13. Kem', city. 11. Kem', port. 6. Kesten'ga. 19. Kimasozero. 44. Klimenitsy. 20. Kolehma. 51. Koldozero. 39. Kondopoga. 36. Kuganavolok (Kananavolok). 31. Kudam Guba. 60. Kurkiyoki. 57. Ladva. 4. Loukhi. 58. Mantsinsaari. 27. Masel'skaya. 30. Medvezh'yegorsk. 28. Morskaya Masel'ga. 23. Nadvoytsy. 3. Olanga.

(c)

(a)	(b)	19, 19 ^a . Повторяемость морозных периодов и периодов с оттепелью различной продолжительности. 19 ^b . Повторяемость числа дней с различной максимальной температурой при оттепелях	(d)
13. Число дней с максимальной температурой в различных пределах	16. Дата первого и последнего заморозка и продолжительность безморозного периода		20. Число дней с отрицательной температурой во все часы суток с переходом температуры через 0° и с положительной температурой во все часы суток

наблюдений

—	—	—	—
—	1930—35	—	—
—	1891—17, 45—58	—	—
—	—	—	—
—	1944—47, 49—62	—	—
—	1935—46, 49—62	—	—
—	1945—62	—	—
—	1916—60	—	—
—	1932—41, 43—62	—	—
1922—56, 58—60	1899—08, 12—15, 19—60	—	1912—15, 19—54, 56, 58—60
—	—	—	—
—	—	—	—
—	1891—43	—	—
1916—60	1917—60	1917—64	1916—60
—	1946—62	—	—
—	—	—	—
—	1929—33, 35—38, 51—62	—	—
—	1938—45, 47—62	—	—
—	1938—62	—	—
—	1925—32, 35—41, 45—62	1925—27, 29—30, 32—33, 35—41, 44—63	—
—	—	—	—
—	1934, 36, 38, 41—62	—	—
—	—	—	—
—	—	—	—
—	1931—32, 39—40, 47—62	—	—
1928—62	1927—62	1928—40, 42, 44—63	1927—62
—	—	—	—
—	—	—	—
1926—41, 44—62	1926—41, 44—62	1926—35, 37—41, 45—63	1925—41, 44—62
—	—	—	—
—	1898—17, 27—32, 34—36	—	—
—	—	—	—
—	1945—61	—	—

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Key: (a) 13. Number of days with maximum temperature in various limits. (b) 16. Date of the first and last frost and duration of frost-free period. (c) 19, 19a. Repetition of frost periods and periods with thaw of various duration. 19b. Repetition of the number of days with various maximum temperature during thaws. (d) 20. Number of days with minus temperature in all hours of the day with passage of temperature through 0° and with plus temperature in all hours of the day.

leading same as page 300

№ станции	Станция	9. Число дней с минимальной температурой в различных пределах	11. Средний максимум температуры	12. Абсолютный максимум температуры. 14. Средний из абсолютных максимумов температуры
65	Олонец	1925—41, 44—62	1925—29, 31—41, 44—60	1925—29, 31—41, 44—63
26	Паданы	1891—94, 97—09, 14—41, 45—62	1914—19, 22—41, 44—60	1914—15, 25—26, 28—41, 44—63
55	Палалахта	—	1932—41, 44—60	1932—41, 44—63
12	Панозеро	—	1942—44, 49—60	1942—44, 49—60
50	Петрозаводск, город	—	1924—34	1924—34
46	Петрозаводск, озеро	—	1933—41, 44—52	1933—41, 44—52
45	Петрозаводск, Сулаж- Гора	—	1949—60	1949—63
8	Пильдозеро	—	1937—60	1937—63
32	Повенец	—	1913—17, 26—28, 30—36	1913—17, 26—28, 30—36
18	Подужемье	—	1949—57	1949—57
9	Поньгома	—	1947—57	1947—57
34	Поросозеро	—	—	—
53	Пряжа	—	1934—41, 44—60	1934—41, 44—63
49	Пудож	1914—19, 25—62	1913—19, 25—60	1913—19, 25—63
17	Раз-Наволоок	—	1919—60	1919—60
24	Реболы	—	1914—18, 30, 34—36, 38—41, 45—60	1914—18, 30, 34—36, 38—41, 45—63
21	Ругозеро	—	1938—41, 45—60	1934—41, 45—63
25	Сегежа	1927—62	1927—60	1927—63
41	Сенная Губа	—	1938—41, 45—50	1938—41, 45—50
	Сердоболь, см. Сорта- вала	—	—	—
33	Совдозеро	—	1938—41, 45—60	1938—41, 45—63
	Сорокская, см. Бело- морск	—	—	—
52	Сортавала (Сердоболь)	—	1910—37, 45—60	1910—37, 41, 45—63
7	Софьянга	—	1945—57	1945—57
37	Спасская Губа	—	1937—41	1937—41
43	Суистамо, Леппяскюря	—	1933—37	1933—37
40	Суоярви	—	1908—17, 41, 45—60	1908—17, 41, 45—63
48	Теребовская и Шала	—	1948—60	1948—63
10	Ухта	—	1935—41, 46—60	1935—41, 46—63

65. Olonets. 26. Padany. 55. Palalakhta. 12. Panozero. 50.
Petrozavodsk, city. 46. Petrozavodsk, lake. 45. Petrozavodsk,
Sulazh-Gora. 8. Pil'dozero. 32. Povenets. 18. Poduzhem'ye. 9.
Pon'goma. 34. Porosozero. 53. Pryazha. 49. Pudozh. 17.
Raz-Navolok. 24. Reboiy. 21. Rugozero. 25. Segezha. 41. Sennaya
Guba. Serdobol', see Sortavala. 33. Sovdozero. Sorokskaya, see
Belomorsk. 52. Sortavala (Serdobol'). 7. Sof'yanga. 37.
Spasskaya Guba. 43. Suistamo, Leppyasyur'ya. 40. Suoyarvi. 48.
Terebovskaya and Shala. 10. Ukhta.

1925-29, 31-41, 44-62	1925-41, 44-62	1915-19, 25-41, 45-63	1925-41, 44-62
1914-15, 25-26, 28-41, 44-62	1891-93, 98-08, 14-23, 25-41, 45-62		1891-94, 97-09, 14-41, 45-62
—	1928, 32-41, 44-62	—	—
—	—	—	—
—	1891-98, 02-03, 07-11, 14-15, 24-33	—	—
—	1933-41, 44-52	—	—
—	—	—	—
—	1938-62	—	—
—	1891, 99-06, 13-17, 31-36	—	—
—	1950-56	—	—
—	1948-56	—	—
—	—	—	—
—	1935-41, 44-62	—	—
1913-19, 25-62	1914-16, 18-19, 25-31, 33-62	1913-18, 25, 27-63	1914-19, 25-62
—	1919-60	—	—
—	1914-16, 18, 30, 32, 34-35, 38-41, 45-62	—	—
—	1938-41, 45-46, 48-62	—	—
1927-62	1928-62	1927-40, 42-63	1927-62
—	—	—	—
—	—	—	—
—	1938-41, 45-62	—	—
—	—	—	—
—	1916-37, 45-62	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	1945-62	—	—
—	1947-62	—	—
—	1935-41, 47-62	—	—

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heading same as page 300.

№ станции	Станция	9. Число дней с минимальной температурой в различных пределах	11. Средний максимум температуры	12. Абсолютный максимум температуры 14. Средний из абсолютных максимумов температуры

	Федотово, см. Шульга и Федотово	—	—	—
59	Ханхипааси, маяк . . .	—	1927—32	1927—32
61	Хейнялуото, маяк . . .	—	—	—
62	Хийтола, Хиеккалаhti	—	—	—
1	Черная Река	—	1937—43, 45—57	1937—43, 45—57
2	Чуна	—	1925—30	1925—30
	Шала, см. Теребовская и Шала	—	—	—
35	Шульга и Федотово . .	—	1935—41, 46—60	1935—41, 46—61
15	Юшкозеро	—	1936—42, 44—60	1936—42, 44—63
42	Янисъярви	—	1945—57	1945—57

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Fedotovo, see Shun'ga and Fedotovo. 59. Khankhipaasi, mayak.

61. Kheynyaluoto, mayak. 62. Khiitola, Khiyekkalakhti. 1.

Chernaya Reka. 2. Chupa. Shala, see Terebovskaya and Shala. 35.

Shun'ga and Fedotovo. 15. Yushkozero. 42. Yanis"yarvi.

heading same as page 301

13. Число дней с максимальной температурой в различных пределах	16. Дата первого и последнего заморозка и продолжительность безморозного периода	19, 19 ^a . Повторяемость морозных периодов и периодов с оттепелью различной продолжительности. 19 ^b . Повторяемость числа дней с различной максимальной температурой при оттепелях	20. Число дней с отрицательной температурой во все часы суток с переходом температуры через 0° и с положительной температурой во все часы суток
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Раздел 2.

(a) № станции	(b) Станция	(c) Высота (м)	(d) 1. Температура поверхности	
			(e) средняя месячная	(f) максимальная
			(g) Годы	
63	Видлица	13	1947, 49—63	1947, 49—63
22	Воренжа	80?	1950—51, 54—63	1950—51, 54—63
38	Вярсила	102	1948, 50—51	1948, 50—51,
			53—63	53—63
5	Гридино	8	1949—60	1947—64
29	Данилово	138	1950—63	1950—63
16	Жужмуй, остров	26	1951—60	1951—64
11	Кемь, порт	7	1949—60	1949—64
6	Кестеньга	130	1948, 50—63	1948, 50—63
20	Колежда	4	1948, 51—63	1948, 51—63
51	Колодозеро	128?	1948, 50—63	1948, 50—63
39	Кондопога	42	1947—50, 52—63	1947—50
				52—63
36	Куганаволок (Каизана- волок)	151	1948—63	1948—63
31	Кудам-Губа	1736	1949—52, 54—58	1949—52,
				54—58
57	Ладва	57	1948—63	1948—63
4	Лоухи (песок)	92	1947—63	1947—63
4	Лоухи (торф)	92	1941, 47, 56—63	1941, 47, 56—63
30	Медвежьегорск	89	1947—63	1947—63
3	Оланга	106	1947—62	1947—62
65	Олонек	11	1947—63	1947—63
26	Паданы	130	1948, 49, 51—63	1948, 49, 51—63
12	Палалахта	90	1948—63	1948—63
55	Панозеро	89	1949, 50, 54—59	1949, 50, 54—59
45	Петрозаводск, Сулаж- Гора	110	1949—63	1949—63
8	Пильдозеро	72	1947—48, 50—63	1947—48, 50—63
9	Поньгома	8	1950—57	1950—57
53	Пряжа	134	1947—63	1947—63
49	Пудож	61	1947—63	1947—63
17	Раз-Наволок	10	1949—50, 52—60	1947—50, 52—64
24	Реболы	179	1947—63	1947—63
21	Ругозеро	160	1947—63	1947—63
25	Сегежа	110	1947—52, 54—63	1947—52, 54—63
33	Совдозеро	166?	1948, 50—63	1948, 50—63
52	Сортавала (Сердоболь)	17	1947—51, 53—63	1947—51, 53—63
7	Софьянга	106	1948, 50, 52—57	1948, 50, 52—57
40	Суоярви	143	1947—63	1947—63
48	Теребовская и Шала	34	1948, 50—63	1948, 50—63
10	Ухта	111	1947—63	1947—63
35	Шуньга	48?	1947—61	1947—61
15	Юшкозеро	95	1947, 48, 50—63	1947, 48,
				50—63
42	Янисъярви	916	1947, 48,	1947, 48,
			50—57	50—57

Section 2. Soil Temperature.

Key: (a) No. of station. (b) Station. (c) Height (m). (d)
 Temperature of soil surface. (e) average monthly. (f) maximum.
 (g) Years of observations.

63. Vidlitsa. 22. Vorenzha. 38. Vyantsilya. 5. Gridino. 29.
 Danilovo. 16. Zhuzhmuy, ostrov. 11. Kem', port. 6. Kesten'ga.
 20. Kolehma. 51. Kolodozero. 39. Kondopoga. 36. Kuganavolok
 (Kanzanavolok). 31. Kudam-Guba. 57. Ladva. 4. Loukhi (sand). 4.
 Loukhi (turf). 30. Medvezh'yegorsk. 3. Olanga. 65. Olonets. 26.
 Padany. 12. Palalakhta. 65. Panozero. 45. Petrozavodsk,
 Sulazh-Gora. 8. Pil'dozero. 9. Pon'goma. 53. Pryazha. 49.
 Pudozh. 17. Raz-Navolok. 24. Reboly. 21. Rugozero. 25. Segezha.
 33. Sovdozero. 52. Sortavala (Serdobol'). 7. Sof'yanga. 40.
 Suoyarvi. 48. Terebovskaya and Shala. 10. Ukhta. 35. Shun'ga.
 15. Yushkozero. 42. Yanis'yarvi.

Температура почвы

почвы (a) минимальная	2. Средняя месячная температура верхних слоев почвы по колечным термометрам (b)	5. Даты первого и последнего заморозка на поверхности почвы и продолжительность безморозного периода (c)	8. Глубина промерзания почвы (d)
наблюдений			
1947, 49—63	1954, 56, 58—63	1947, 49—63	—
1950—51, 54—63	1954—57, 59—63	1950, 51, 54—63	1949—57
1948, 50—51, 53—63	—	—	—
1949—64	—	1949, 51—63	—
1950—63	—	1950—63	—
1951—64	—	1952—55, 57—60, 62—63	—
1949—64	—	1949, 51—63	—
1948, 50—63	—	1948, 50—63	—
1948, 51—63	—	1948, 51—63	—
1948, 50—63	—	1948, 50—63	—
1947—50, 52—63	1945, 46, 48, 49, 53—63	1947—50, 52—63	1950—56
1948—63	—	1948—63	—
1949—52, 54—58	—	—	—
1948—63	1948—57, 59—63	1948—63	1949—57
1947—63	1946—63	1947—63	1949—57
1941, 47, 56—63	—	—	—
1947—63	1949—52, 54—63	1947—63	1949—56
1947—62	—	1947—62	—
1947—63	1946—50, 52—63	1947—63	1950—57
1948, 49	1950, 54—63	1948, 49, 51—63	—
51—63	—	—	—
1948—63	—	1948—63	—
1949, 50	—	—	—
54—59	—	—	—
1949—63	1950, 53—63	1949—63	1952—63
1947—48, 50—63	—	1947—48, 50—63	—
1950—57	—	1950—57	—
1947—63	1950, 52, 54—63	1947—63	1950—62
1947—63	1947—50, 52—54, 56—63	1947—63	—
1949—50, 52—64	—	1950, 52—62	—
1947—63	1950—52, 54—58, 61—63	1947—63	—
1947—63	1952, 54—63	1947—63	1949—57
1947—52, 54—63	1948—50, 52, 54, 56, 57, 60—63	1947—52, 54—63	—
1948, 50—63	—	1948, 50—63	—
1947—51	1948, 50, 51, 54—63	1947—51, 53—63	1949—55
53—63	—	—	—
1948, 50, 52—57	—	—	—
1947—63	—	1947—63	—
1948, 50—63	—	1948, 50—63	—
1947—63	1949—63	1947—63	1949—63
1947—61	1950, 52, 54—63	1947—61	1949—57
1947, 48, 50—63	—	1947, 48	—
1947, 48	—	50—63	—
50—57	—	—	—

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Key: (a) minimum. (b) 2. Average monthly temperature of upper layers of the soil according to angle thermometers. (c) 5.

Dates of the first and last frost on the surface of the soil and duration of frost-free period. (d) 8. Depth of freezing of soil.

(a) № станции	(b) Станция	(c) Высота (м)	(d) 3. Температура почвы по вытм				
			0.1	0.2	0.4	0.5	0.6

			(e) Годы				
4	Лоухи (песок)	92	1952, 53, 56-61	1952, 53, 56-61			
4	Лоухи (торф)	946	1927-30	1927-36, 38-41			
30	Медвежьегорск	89	1954, 55, 58-63	1954, 55, 57-63			
45	Петрозаводск, Сулаж- Гора	110	1952-63	1952-63			
24	Реболы	179		1952, 54-63			1954, 57-59, 62, 63
52	Сортавала (Сердоболь)	17	1957-63	1957-63			

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Keys: (a) No. of station. (b) Station. (c) Height (m). (d)
Temperature of soil according to air thermometers at depths.
(e) Years of observations.

4. Loukhi (sand). 4. Loukhi (turf). 30. Medvezh'yegorsk. 45.
Petrozavodsk, Sulazh-Gora. 24. Reboiy. 52. Sortavala
(Serdobol').

(a)

on page 308 ным термометрам на глубинах						4. Среднее, наибольшее и наименьшее число дней с температурой почвы 0°.
0.8	1.0	1.2	1.6	2.4	3.2	6. Даты первого и последнего мороза в почве и продолжительность безморозного периода.
						7. Средняя наибольшая и наименьшая глубина проникновения температуры 0° в почву

наблюдений

1952, 53,
56, 57
1927—411952, 53,
56—61

1952, 53, 56—61

1927—41

1954, 55,
57—631954, 55,
57—631954, 55,
57—631952—63
1955—631952,
54—631952—63
1952,
54—63

1952—63

1952—63

1957—63

1957—63

5/5

Key: 4. Average, greatest and least number of days with soil temperature $\geq 0^\circ$. 5. Dates of the first and last frost in the soil and the duration of frost-free period. 6. Average, greatest and least depth of penetration of temperature $\geq 0^\circ$ into soil.

Index for Tables of Generalized Characteristics for
УКАЗАТЕЛЬ ДЛЯ ТАБЛИЦ ОБОБЩЕННЫХ ХАРАКТЕРИСТИК КАССР KASSR*

№ таблиц No. of tables	Название таблиц Title of tables	Использованный период Period used
17	Вероятность лет с заморозками различной интенсивности в зависимости от средней минимальной температуры воздуха за декаду	1891—1960
18	Даты наступления, прекращения и продолжительности устойчивых морозов	1891—1960
21	Расчетная температура самой холодной пятидневки, расчетная зимняя вентиляционная температура, средняя температура отопительного периода и его продолжительность	1881—1960
22	Число дней со средней суточной температурой воздуха в различных пределах при определенных значениях средней месячной температуры	1881—1960
23	Число дней с минимальной температурой воздуха в различных пределах при определенных значениях средних минимумов	1891—1960
24	Число дней с максимальной температурой воздуха в различных пределах при определенных значениях средних максимумов	1913—1960
25—32	Даты наступления средних суточных температур воздуха выше и ниже 0, 5, 10 и 15° различной вероятности	1881—1960
33—36	Продолжительность периода со средними суточными температурами выше 0, 5, 10 и 15° различной вероятности	1881—1960
37	Минимальная температура воздуха различной вероятности	1891—1960
38	Максимальная температура воздуха различной вероятности	1913—1960

* Kazakh Autonomous Soviet Socialist Republic

- 17 The probability of years with frosts of various intensity in relation to the average minimum air temperature for a decade.
- 18 Dates of beginning, ending, and duration of firm frosts.
- 21 Calculated temperature of the coldest 5-day period, calculated winter ventilating temperature, average temperature of the heating period and its duration.
- 22 Number of days with average daily air temperature ^{within} ~~in~~ various ^{limits} ~~ranges~~ at ^{specific} ~~given~~ values of the average monthly temperature.
- 23 Number of days with the minimum air temperatures ^{within} ~~in~~ various ^{limits} ~~ranges~~ at ^{specific} ~~given~~ values of the average minimums.
- 24 Number of days with maximum air temperature ^{within} ~~in~~ various ^{limits} ~~ranges~~ at ^{specific} ~~given~~ values of the average maximums
- 25-32 Dates of beginning of average daily air temperatures above and below 0, 5, 10, and 15° of various probabilities.
- 33-36 Duration of a period with average daily temperatures above 0, 5, 10, and 15° of various probabilities.
- 37 Minimum air temperature of various probabilities.
- 38 Maximum air temperature of various probabilities.

Nos. of tables	№ таблиц Title of tables	Использованный период Period used
39—42	Суммы температур выше 0, 5, 10 и 15° различной вероятности	1881—1960
43	Даты к которым накапливаются суммы температур выше 5, 10, 15° определенной величины при различных средних суммах	1881—1960
44—46	Даты первого, последнего заморозков и продолжительность безморозного периода различной вероятности	1891—1960

- 39-42 The sums of temperatures above 0, 5, 10, 15° of various probabilities.
- 43 The dates by which the sums of temperatures above 5, 10, 15° of specified values at various average sums.
- 44-46 The dates of the first and last frosts and the duration of the frost-free period of the various probabilities.

Alphabetic Index of Stations

ЛЕНИНГРАДСКАЯ, ПСКОВСКАЯ
 Leningrad, Pskov, Novgorod Oblasts
 Section 1. Air Temperature

Раздел 1. Темпе

Station NO.	Станция Station	Elev. (m.) Высота (м.)	(A.) 1. Средняя месячная температура воздуха 5. Даты наступления средних суточных тем- ператур выше опреде- ленных пределов и число дней с темпе- ратурой, превышаю- щей эти пределы 15. Суммы средних су- точных температур ниже -15, -10, -5, и выше 0, 5, 10, 15°	2. Суточный ход температуры Daily variation of temper- ature
years of observations Годы				
136	Базово	2056	1900—02, 05—17, 20—40	—
82	Белогорка	89	1926—41, 44—60	1950—61
60	Большой Тютерс	56	1922—37	—
101	Боровичи и Полюновка	89	1891—96, 30—60	—
85	Будогощь	53	1929—30, 32—60	—
	Бусаны, см. Николаев- ское и Бусаны		—	—
127	Быстрецово	566	1907—10	—
110	Валдай	201	1901—02, 24—41, 43—60	1951—60
17	Валданицы	226	1903—09, 11—17	—
	Васильково, см. При- ладага		—	—
137	Великие Луки	97	1933—40, 46—60	—
112	Велье	226	1901—10, 25—26, 28—30	—
96	Веребье	113	1892—04, 06—08, 10—60	—
84	Вильи Горы	36	1944—49	—
13	Винницы	109	1936—42, 44—60	—
4	Вознесенье	37	1883—87, 89—04, 13, 28—41, 44—60	1951—60
46	Воейково	72	1945—60	—
102	Войцы	22	1945—60	—
79	Волосово и Елизавети- но	127	1946—60	—
50	Волхов (Волховстрой) и Званка	32	1923—60	—
10	Выборг	14	1884—41, 44—60	—
	Вязищи, см. Новгород, болотная ст.		—	—
72	Гакково	56	1934—35, 37—41	—
23	Гарболово	776	1929—42	—
77	Гатчина (Красногвар- дейск)	806	1931—37	—
117	Гдов	36	1916—41, 44—60	1950—61
35	Гогланд	5	1881—37, 41, 45—60	1940—41, 46—48 56—60

- 136 Bazlovo
82 Belogorka
60 Bol'shoy Tyuters
101 Borovichí and Polynovka
85 Budogoshch'
Busany, See Nikolayevskoye and Busany
127 Bystretsovo
110 Valday
17 Valdanitsy
Vasil'kovo, See Priladoga
137 Velikiye Luki
112 Vel've
96 Vereb'ye
84 Vil'i Gory
13 Vinnitsy
4 Voznesen'ye
46 Voyeykovo
102 Voytsy
79 Volosovo and Elizabetino
50 Volkhov (Volkhovstroy) and Zvanka
10 Vyborg
Vyazhishchi, See Novgorod, bog sta.
72 Gakkovo
23 Garbolovo
77 Gatchina (Krasnogvardeysk)
117 Gdov
35 Gogland

522

A. 1. Average monthly air temperature.

5. Beginning dates of average daily temperatures above specific limits and the number of days with a temperature exceeding these limits.

15. The sums of average daily temperatures below -15, -10, -5°, and above 0, 5, 10, 15°

ЗАТЕЛЬ СТАНЦИИ
И НОВГОРОДСКАЯ ОБЛАСТИ
ратура воздуха

3, 3*. Повторяемость суточной амплитуды (вне зависимости от состояния неба).			
4. Средняя междусуточная изменчивость температуры.	6. Число дней со средней суточной температурой в различных пределах	7. Средний минимум температуры	8. Абсолютный минимум температуры.
4*. Повторяемость междусуточной изменчивости температуры воздуха в определенных пределах (%)			10. Средний из абсолютных минимумов температуры

наблюдений

—	—	1900—02, 05—17	1900—02, 05—17, 29—21,
—	—	20, 21, 25—27, 33—40	25—27, 33—40
—	—	1926—41, 44—60	1926—41, 44—63
—	—	1922—24, 26—37	1922—24, 26—37
—	—	1891—96, 30—60	1891—96, 30—63
—	—	1929—60	1929—63
—	—	—	—
—	—	1907—09	—
1936—60	1901—02, 24—60	1901—02, 25—60	1901—02, 25—41, 44—63
—	—	1903—08, 11—17	1903—08, 11—17
—	—	—	—
1936—60	1936—39, 46—60	1933—40, 48—60	1891—17, 20, 22, 24—40
—	—	—	48—63
—	—	1901—10, 25—26	1901—10, 25—26, 28—30
—	—	28—30	—
1936—60	1892—08, 10—41,	1892—94, 96—04	1892—94, 96—04, 06—08
—	43—60	06—08, 10—60	10—63
—	—	1944—49	1944—49
—	—	1944—60	1936—42, 44—63
—	1884—87, 90—04,	1897—04, 13, 27—41	1897—04, 13, 27—41,
—	27—34, 36—41,	44—60	44—63
—	44—60	—	—
—	—	1945—60	1945—63
—	—	1945—60	1945—63
—	—	—	—
—	—	1946—60	1946—63
—	—	—	—
—	—	1924—60	1924—63
—	—	1940—41, 44—60	1906—37, 40—41, 44—63
—	—	—	—
—	—	1934, 37—41	1934, 37—41
—	—	1930—42	1930—42
—	—	—	—
—	—	1931—37	1931—37
—	—	1916—41, 44—60	1916—41, 44—63
—	—	1908—21, 24—37,	1908—21, 24—37, 41
—	—	41, 45—60	45—63

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amplitude

- 3, 3a. The frequency of a daily ~~peak~~ (regardless of weather conditions).
4. Average day-to-day temperature variation.
- 4a. Frequency of day-to-day air temperature variation ^{within} ~~in~~ specific ^{limits} ~~ranges~~ (%).
6. Number of days with average daily temperature ^{within} ~~in~~ various ^{limits} ~~ranges~~.
7. Average temperature minimum.
8. Absolute temperature minimum.
10. The average of absolute temperature minimums.

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Station No. № станции	Станция Station	Elev. (m.) Высота (м)	(А.)	2. Суточный ход температуры. Daily variation of temperature
			1. Средняя месячная температура воздуха. 5. Даты наступления средних суточных температур выше определенных пределов и число дней с температурой, превышающей эти пределы. 15. Суммы средних суточных температур ниже -15, -10, -5, и выше 0, 5, 10, 15°	
37	Гогланд I	10	1924—37	—
	Гогланд II, маяк, см		—	—
	Гогланд		—	—
	Григорово, см. Новгород		—	—
129	Дедовичи	85	1956—60	—
113	Демянск	61	1943—60	—
124	Дно	68	1925—41, 44—60	—
	Елизаветино, см. Воло- сово и Елизаветино		—	—
78	Ефимовская	171	1930—60	—
139	Жигалово	1107	1954—59	—
121	Замосье, болотная ст.	64	1914—15, 24—35	—
91	Замосье Ольгино	386	1924—30	—
120	Зачеренье	120	1922—29	—
	Званка, см. Волхов и Званка		—	—
28	Зеленогорск	?	1931—34, 37	—
138	Идрица	136	1925—40, 45—60	—
123	им. Залита, остров	43	1946—57	—
65	Койболово и Курголово	4	1922—41	—
95	Каменка	215	1941—57	1943—45, 47, 51—56
32	Кареджи, маяк	8	1946—60	—
81	Кингисепп	17	1924—41, 44—60	—
74	Кипень	122	1957—60	—
	Колгомя, см. Старое Гарколово и Колгомя		—	—
8	Коневец	186	1898—08, 34—37	—
106	Коростынь	44	1941, 44—60	—
	Красногвардейск, см. Гатчина		—	—
104	Крестцы	54	1937—60	—
42	Кронштадт	5	1881—18, 23—58	—
	Курголово, см. Кайболо- во и Курголово		—	—
44	Лебяжье	3	1922—58	—
34	Левашево	176	1924—35	—
43	Ленинград, аэропорт	156	1933—41, 44—54	—
45	Ленинград, ГМО	2	1881—60	1950—61
	Ленинград, город, см. Ленинград, ГМО		—	—
40	Ленинград, Лесной	19	1890—40	—

- 37 Gogland I
Gogland II, beacon, See Gogland
Grigorovo, See Novgorod
- 129 Dedovichl
- 113 Demyansk
- 124 Dno
Elizabetino, See Volosovo and Elizabetino
- 78 Efimovskaya
- 139 Zhigalovo
- 121 Zamosh'ye, bog sta.
- 91 Zamosh'ye, Ol'gino
- 120 Zacheren'ye
Zvanka, See Volkhov and Zvanka
- 28 Zelenogorsk
- 138 Idritsa
- 123 "Imeni" Zalita, island
- 65 Koybolovo and Kurgolovo
- 95 Kamenka
- 32 Karedzhi, beacon
- 81 Kingisepp
- 74 Kipen'
Kolgompya, See Staroye Garkolovo and Kolgompya
- 8 Konevets
- 106 Korostyn'
Krasnogvardevsk, See Gatchina
- 104 Kresttsy
- 42 Kronshtadt

Kurgolovo, See Kaybolovo and Kugolovo

44 Lebvazh'ye

34 Levashevo

43 Leningrad, airport

45 Leningrad, GMO [Hydrometeorological observatory]

Leningrad, city, See Leningrad, GMO

40 Leningrad, Lesnoy

A. 1. Average monthly air temperature.

5. Beginning dates of average daily temperatures above specific limits and the number of days with a temperature exceeding these limits.

15. The sums of average daily temperatures below -15, -10, -5°, and above 0, 5, 10, 15°.

3, 3*. Повторяемость суточной амплитуды (вне зависимости от состояния неба).			
4 Средняя междусуточная изменчивость температуры	6. Число дней со средней суточной температурой в различных пределах	7. Средний минимум температуры	8. Абсолютный минимум температуры
4* Повторяемость междусуточной изменчивости температуры воздуха в определенных пределах (%)			10. Средний из абсолютных минимумов температуры

—	—	1925—37	1925—37
—	—	—	—
—	—	—	—
—	—	1956—60	1956—63
—	—	1943—60	1943—63
—	—	1924—41, 44—60	1924—41, 44—63
—	—	—	—
—	—	1940—60	1930—63
—	—	1954—59	1954—59
—	—	1914—15, 24—35	1914—15, 24—35
—	—	1924—30	1924—30
—	—	1924—29	1924—29
—	—	—	—
—	—	1931—34, 37	1931—34, 37
—	—	1925, 27, 29—40	1925, 27, 29—40,
—	—	45—60	45—60, 63
—	—	1946—57	1946—57
—	—	1923—41	1923—41
—	—	1941—57	1941—57
—	—	—	—
—	—	1946—60	1946—63
—	—	1924—41, 44—60	1924—41, 44—63
—	—	1957—60	1957—63
—	—	—	—
—	—	1898—08, 34—37	1898—08, 34—37
—	—	1941, 44—60	1941, 44—63
—	—	—	—
—	—	1937—60	1937—63
—	—	1891—98, 01—07,	1891—98, 01—07,
—	—	09—18, 23—58	09—18, 23—58
—	—	—	—
—	—	1922—58	1922—58
—	—	1924—35	1924—35
—	—	1933—41, 44—54	1933—41, 44—54
1900—60	1881—60	1891—60	1891—63
—	—	—	—
—	—	1891—40	1891—40

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amplitude

- 3, 3a. The frequency of a daily ~~peak~~ (regardless of weather conditions).
4. Average day-to-day temperature variation.
- 4a. Frequency of day-to-day air temperature variation ^{within} ~~in~~ specific ^{limits} ~~ranges~~ (%).
6. Number of days with average daily temperature ^{within} ~~in~~ various ^{limits} ~~ranges~~.
7. Average temperature minimum.
8. Absolute temperature minimum.
10. The average of absolute temperature minimums.

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Station No.	Станция Station	Elev. (m.) Высота (м.)	(A.)		2 Суточный ход температуры Daily variation of temper- ature.
			1 Средняя месячная температура воздуха	5 Даты наступления средних суточных тем- ператур выше опреде- ленных пределов и число дней с темпе- ратурой, превышаю- щей эти пределы	
			15 Суммы средних су- точных температур ниже -15, -10, -5° и выше 0, 5, 10, 15°		
	Ленинград, порт, см. Невская (г. Ленин- град)				
55	Ленинград, Фарфоро- вый завод	56	1903—13		
2	Лесогорский	39	1945—60		
	Линова, см. Пыталово и Линова				
39	Лисий Нос	3	1922—60		
11	Лодейное Поле	21	1903—08, 27—41, 44—60		
52	Ломоносов (Ораниен- баум)	2	1919—60		
51	Ломоносов, лесной тех- никум (Ораниенбаум)	20	1927—31		
90	Луга	1046	1924—38		
83	Любань	36	1941, 44—60		
118	Ляды	71	1937—41, 44—60		
115	Марево	115	1943—60		
26	Маяк, остров	7	1924—37		
66	Мга	306	1934—40		
18	Мининская	1276	1944—50		
114	Молвотицы	98	1937—41		
38	Мощный	6	1941—60		
5	Мятусово	33	1927—34, 36		
24	Нарвский, остров	6	1930—37		
53	Невская (г. Ленинград)	3	1920—60		
19	Нижние Никулясы	96	1936—39		
86	Низовская	876	1937—40		
92	Николаевское и Буса- ны	91	1889—41, 44—60		1951—61
33	Новая Ладога	12	1881—04, 15—19 27—60		1939—57
97	Новгород, болотная станция	466	1915—17, 20—40		
100	Новгород	24	1881—89, 92—96 99—03, 06—17, 20—41, 44—60		
80	Новопятницкая	206	1925—31		
61	Ново-Саратовская	11	1943—55		
140	Новохованск	185	1958—60		
27	Озерки	4	1936—37, 45—60		1951—61
103	Окуловка	173	1930—60		
134	Опочка	97	1933—40, 45—60		
	Ораниенбаум г. м. ст., см. Ломоносов				

- Leningrad, port, See Nevskaya (city, Leningrad)
- 55 Leningrad, porcelain plant
- 2 Lesogorskiy
- Linova, See Pytalovo and Linova
- 39 Lisiy Nos
- 11 Lodeynoye Pole
- 52 Lomonosov (Oranienbaum)
- 51 Lomonosov, forestry technical school (Oranienbaum)
- 90 Luga
- 83 Lyuban'
- 118 Lyady
- 115 Marevo
- 26 Mayak, island
- 66 Mga
- 18 Mininskaya
- 114 Molvotitsy
- 38 Moshchnyy
- 5 Myatusovo
- 24 Narvskiy, island
- 53 Nevskaya (city, Leningrad)
- 19 Nizhniye Hikulyasy
- 86 Nizovskaya
- 92 Nikolayevskoye and Busany
- 33 Novaya Ladoga
- 97 Novgorod, bog station
- 100 Novgorod
- 80 Novopiatnitskaya

61 Novo-Saratovskaya
140 Novokhovansk
27 Ozerki
103 Okulovka
134 Opochka

Oraniyenbaum hydrometeorological station, See Lomonosov

A. 1. Average monthly air temperature.

5. Beginning dates of average daily temperatures above specific limits and the number of days with a temperature exceeding these limits.

15. The sums of average daily temperatures below -15° , -10° , -5° , and above 0° , 5° , 10° , 15° .

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3, 3 ^a . Повторяемость суточной амплитуды (вне зависимости от состояния неба).			
4. Средняя междусуточная изменчивость температуры.	6. Число дней со средней суточной температурой в различных пределах	7. Средний минимум температуры	8. Абсолютный минимум температуры.
4 ^a . Повторяемость междусуточной изменчивости температуры воздуха в определенных пределах (%)			10. Средний из абсолютных минимумов температуры

—	—	—	—
—	—	1904—13	1904—13
—	—	1945—60	1945—63
—	—	—	—
—	—	1922—60	1922—63
—	—	1937—41, 45—60	1927—30, 32—41, 45—63
—	—	—	—
—	—	1919—60	1919—63
—	—	—	—
—	—	1927—31	1927—31
—	—	1925—38	1925—38
—	—	1941, 44—60	1941, 44—63
—	—	1937—41, 44—60	1937—41, 44—63
—	—	1943—60	1943—63
—	—	—	—
—	—	1934—40	1934—40
—	—	1944—50	1944—50
—	—	1937—41	1937—41
—	—	1941—60	1941—63
—	—	1927—34, 36	1927—34, 36
—	—	1929—37	1929—37
—	—	1936—60	1920—60
—	—	1936—39	—
—	—	1937—40	1937—40
—	1890—41, 44—60	1891—41, 44—60	1891—41, 44—63
—	—	1932—60	1891—04, 15—19, 28—63
—	—	—	—
—	—	1915—17, 20—23, 25—40	1915—17, 20—23, 25—40
—	1881—87, 92—95, 99—03, 07—17, 20—41, 44—60	1899—02, 06—17, 20—23, 25—41, 44—60	1899—02, 06—17, 20—23, 25—41, 44—63
—	—	1925—31	1925—31
—	—	1943—55	1943—55
—	—	1958—60	—
—	—	1936—37, 45—60	1936—37, 45—63
—	—	1930—60	1930—63
—	—	1933—40, 45—60	1933—40, 45—63
—	—	—	—

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- 3, 3a. The frequency of a daily amplitude (regardless of weather conditions).
4. Average day-to-day temperature variation.
- 4a. Frequency of day-to-day air temperature variation within specific limits (%).
6. Number of days with average daily temperature within various limits.
7. Average temperature minimum.
8. Absolute temperature minimum.
10. The average of absolute temperature minimums.

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Station No.	Станция Station	Elev. (m.)	(A.) 1. Средняя месячная температура воздуха. 5. Даты наступления средних суточных тем- ператур выше опреде- ленных пределов и число дней с темпе- ратурой, превышаю- щей эти пределы. 15. Суммы средних су- точных температур ниже -15, -10, -5, и выше 0, 5, 10, 15°	2. Суточный ход температуры Daily variation of temper- ature
№ станции		Высота (м.)		

	Ораниенбаум, лесной техникум, см. Ломоно- сов, лесной техникум			
89	Оредеж	636	1928—41	—
30	Осиновец	8	1941—60	—
130	Остров	556	1926—41, 44—51	—
87	Осьмино	51	1933—41, 44—60	—
99	Охоты	149	1929—60	—
70	Павловск (Слуцк)	406	1881—41	—
109	Парфинская лесная школа	286	1903—17, 22—30	—
	Петергоф Новый, г. м. ст., см. Петродворец		—	—
	Петергоф Старый, парк, см. Петродворец, парк		—	—
54	Петродворец (Петергоф Новый)	86	1922—35	—
56	Петродворец, парк (Пе- тергоф Старый)	256	1925—31	—
49	Петрокрепость (Шлис- сельбург)	6	1881—14, 40—41, 43—60	—
	Полоное, см. Порхов и Полоное		—	—
	Полыновка, см. Борови- чи и Полыновка		—	—
64	Пороги на Неве	146	1922—28	—
126	Порхов и Полоное	56	1901—04, 06—07, 23—27 30, 32—34, 44—46	—
59	Приладога	546	1921—41	—
21	Приморск	3	1945—60	—
3	Приозерск	9	1930—37, 41, 44—60	—
125	Псков	42	1883—05, 09—11, 13—15, 28—41, 44—60	—
128	Псков, с.х. ст.	416	1916—17, 23—41	—
67	Пушкин (Детское село)	63	1920—32, 44—60	—
68	Пушкин, с.х. ст. (Дет- ское село)	446	1924—41	—
132	Пушкинские Горы	107	1931—34, 39, 46—60	—
131	Пыталово и Липова	81	1945—60	—
25	Рощино	97	1940—41, 44—60	—
7	Ряттиярви	?	1928—30	—
75	Саблино	346	1936—38, 46—60	—
16	Свирица и Сермакса	7	1881—04, 06—08, 12—26 28—60	—
12	Свирьстрой	336	1929—36	—

- Oraniyenbaum, forestry technical school, See Lomonosov
forestry technical school
- 89 Oredezh
- 30 Osinovets
- 130 Ostrov
- 87 Os'mino
- 99 Okhony
- 70 Pavlovsk (Slutsk)
- 109 Parfinskaya forestry school
- Petergof Novyy, hydrometeorological sta, See Petrodvorets
- Petergof Staryy, park, See Petrodvorets, park
- 54 Petrodvorets (Petergof Novyy)
- 56 Petrodvorets, park (Petergof Staryy)
- 49 Petrokrepost' (Shlissel'burg)
- Polonoye, See Porkhov and Polonoye
- Polynovka, See Borovichi and Polynovka
- 64 Porogi na Nebe
- 126 Porkhov and Polonoye
- 59 Priladoga
- 21 Primorsk
- 3 Priozersk
- 125 Pskov
- 128 Pskov, agricultural sta.
- 67 Pushkin (Detskoye village)
- 68 Pushkin, agricultural sta. (Detskoye village)
- 132 Pushkinskiye Gory
- 131 Pytalovo and Linova

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25	Roshchino
7	Pyattiyarvi
75	Sablino
16	Sviritsa and Sermaksa
12	Svir'stroy

A. 1. Average monthly air temperature.

5. Beginning dates of average daily temperatures above specific limits and the number of days with a temperature exceeding these limits.

15. The sums of average daily temperatures below -15, -10, -5°, and above 0, 5, 10, 15°.

3, 3 ^a Повторяемость суточной амплитуды (вне зависимости от состояния неба).			
4 Средняя междусуточная изменчивость температуры.	6. Число дней со средней суточной температурой в различных пределах	7. Средний минимум температуры	8. Абсолютный минимум температуры.
4 ^a Повторяемость междусуточной изменчивости температуры воздуха в определенных пределах (%)			10. Средний из абсолютных минимумов температуры

—	—	—	—
—	—	1928—41	1928—41
—	—	1941—60	1941—63
—	—	1926—41, 44—51	1926—41, 44—51
—	—	1933—41, 45—60	1933—41, 45—63
—	—	1930—60	1930—64
—	1881—41	1891—41	1891—41
—	—	1924—30	1924—30
—	—	—	—
—	—	—	—
—	—	1922—35	1922—35
—	—	1925—31	1925—31
—	—	1946—60	1891—14, 40—41, 43—63
—	—	—	—
—	—	—	—
—	—	1923—27, 30—34, 44—46	1923—27, 30, 34, 44—46
—	—	1921—41	1921—41
—	—	1945—60	1945—63
—	—	1944—60	1930, 32—37, 41, 44—63
1936—60	1883—41, 44—60	1928—41, 44—60	1928—41, 44—63
—	—	1916—17, 23—41	1916—17, 23—41
—	—	1920—32, 44—60	1920—32, 44—63
—	—	1924—38	1924—38
—	—	1931—34, 39, 47—60	1931—34, 39, 47—63
—	—	1945—60	1945—60
—	—	1940—41, 44—60	1940—41, 44—63
—	—	—	—
—	1881—04, 06—08	1936—38, 46—60	1936—38, 46—63
—	12—26, 28—60	1891—04, 06—08	1891—04, 06—08
—	—	12—26, 28—60	12—26, 28—63
—	—	1929—35	1929—35

- 3, 3a. The frequency of a daily amplitude (regardless of weather conditions).
4. Average day-to-day temperature variation.
- 4a. Frequency of day-to-day air temperature variation within specific limits (%).
6. Number of days with average daily temperature within various limits.
7. Average temperature minimum.
8. Absolute temperature minimum.
10. The average of absolute temperature minimums

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Station No.	Станция Station	Elev. (m.) Высота (м.)	(А.) 1. Средняя месячная температура воздуха. 5. Даты наступления средних суточных температур выше определенных пределов и число дней с температурой, превышающей эти пределы. 15. Суммы средних суточных температур ниже -15 , -10 , -5° и выше 0 , 5 , 10 , 15°	2. Суточный ход температуры Daily variation of temperature.
111	Семеновщина	186	1928—35	—
	Сермакса, см. Свирица и Сермакса		—	—
36	Сескар	3	1924—37, 42—44	—
31	Сестрорецк	4	1923—41, 44—55	—
63	Систо-Палкино	6	1930—32, 34—35	—
135	Скоково	240	1947—51	—
	Слущ, см. Павловск		—	—
107	Сольцы на Шелони	296	1933—35	—
9	Сорталахти, маяк	5	1901—37	—
14	Сосново	68	1950—60	—
15	Сосново, старая ст.	150	1923—37	—
22	Сосновый Бор	666	1897—15, 24—37	—
119	Сосно-Раскопель	39	1944—46, 48—51	—
108	Старая Русса	24	1901—02, 28—41, 44—60	—
62	Старое Гарколово и Колгомпя	6	1923—41, 45—60	—
57	Стрельна	56	1926—41	—
58	Стрельна, с.х. ст.	?	1925—30	—
122	Струги Красные	127	1944—60	—
20	Сухо, маяк	8	1933—35, 37—38, 45—60	1951—60
133	Сущево	108	1935—40, 44—60	—
76	Тихвин	59	1938—60	—
71	Тихвин, Березовик	536	1925—39	—
69	Тихвин, лесная ст.	536	1931—35	—
1	Токари	135	1938—41, 44—57	—
29	Токсово	111	1943—60	—
88	Толмачево	406	1944—50	—
73	Усть-Луга	2	1922—40, 45—58	—
6	Ханнила	?	1934—37	—
94	Хвойная	162	1932—60	—
116	Холм	70	1923—40, 46—60	1950—57
98	Хутынь	446	1921—31	—
48	Черная Речка	126	1921—35	—
93	Чудово	32	1936—40, 57—60	—
41	Шенелевский, маяк	12	1925—34	—
105	Шимск и Шелонь	266	1921—35, 37—40	—
	Шлиссельбург, см. Петкрепость		—	—
47	Шугозеро	89	1937—42, 44—60	—
	Ямм, см. Сосно-Раскопель		—	—
	Яски, см. Лесогорский		—	—

(В.) Примечание. 1) в графе «Высота» приведена высота метеоплощадки; метра — высота со знаком «б»; 3) при отсутствии сведений о высоте метеорологиче-

- 111 Semenovshchina
 Sermaksa, See Svritsa and Sermaksa
- 36 Seskar
- 31 Sestroretsk
- 63 Sisto-Palkino
- 135 Skokovo
 Slutsk, See Pavlovsk
- 107 Sol'tsy na Sheloni
- 9 Sortanlakhti, beacon
- 14 Sosnovo
- 15 Sosnovo, old sta.
- 22 Sosnovyy Bor
- 119 Sosno-Raskopel'
- 108 Staraya Russa
- 62 Staroye Garkolovo and Kolgompya
- 57 Strel'na
- 58 Strel'na, agricultural sta.
- 122 Strugi Krasnyye
- 20 Sukho, beacon
- 133 Sushchevo
- 76 Tikhvin
- 71 Tikhvin, Berezovik
- 69 Tikhvin, forestry sta.
- 1 Tokari
- 29 Toksovo
- 88 Tolmachevo
- 73 Ust'-Luga

6	Khannila
94	Khvoynaya
116	Kholm
98	Khutyn'
48	Chernaya Rechka
93	Chudovo
41	Shepelevskiy, beacon
105	Shimsk and Shelon'
	Shlissel'burg, See Petkrepost'
47	Shugozero
	Yamm, See Sosno-Raskopel'
	Yaski, See Lesogorskiy

B. ~~Note: 1) The ^{the} assumption ~~is shown in the~~
~~elevation of the instrument platform is shown; 2) In case of an absence of information~~
~~on the elevation of the instrument platform, the elevation of the barometer is shown by a "6" after the elevation; 3)~~
~~When there is an absence of information on the elevation of the meteorological station a "?" is shown.~~~~

A. 1. Average monthly air temperature.

5. Beginning dates of average daily temperatures above specific limits and the number of days with a temperature exceeding these limits.

15. The sums of average daily temperatures below -15, -10, -5°, and above 0, 5, 10, 15°.

1)
 B. Note: 1) In the "Elevation" column, the elevation of the instrument platform is shown; 2) In case of an absence of information on the elevation of the instrument platform, the elevation of the barometer is shown by a "6" after the elevation; 3) When there is an absence of information on the elevation of the meteorological station a "?" is shown.

3, 3 ^a . Повторяемость суточной амплитуды (вне зависимости от состояния неба).	6. Число дней со средней суточной температурой в различных пределах	7. Средний минимум температуры	8. Абсолютный минимум температуры. 10. Средний из абсолютных минимумов температуры
4. Средняя между-суточная изменчивость температуры. 4 ^a Повторяемость между суточной изменчивости температуры воздуха в определенных пределах. (%)			
—	—	1929—35	1929—35
—	—	—	—
—	—	1924—37, 42—44	1924—37, 42—44
—	—	1923—41, 44—55	1923—41, 44—55
—	—	—	—
—	—	1947—51	—
—	—	—	—
—	—	1933—35	—
—	—	1910, 12—16, 23, 30—37	1910, 12—16, 23, 30—37
—	—	—	—
—	—	1950—60	1950—63
—	—	1929—37	1923—37
—	—	1897—16, 24—37	1897—16, 24—37
—	—	1944—46, 48—51	1944—46, 48—51
—	—	1901—02, 28—41, 44—60	1901—02, 28—41, 44—63
—	—	—	—
—	—	1923—41, 47—60	1923—41, 47—63
—	—	1926—41	1926—41
—	—	1925—30	1925—30
—	—	1944—60	1944—63
—	—	1933—35, 37, 38	1933—35, 37—38, 45—63
—	—	45—60	—
—	—	1935—40, 46—60	1935—40, 46—63
1938—60	—	1938—60	1938—63
—	—	1925—39	1925—39
—	—	1931—35	—
—	—	1938—41, 44—57	1938—41, 44—57
—	—	1943—60	1943—63
—	—	1944—50	1944—50
—	—	1922—41, 45—58	1922—41, 45—58
—	—	—	—
—	—	1932—60	1932—63
—	—	1928—40, 46—60	1928—40, 46—63
—	—	1922—29	1922—29
—	—	1921—35	1921—35
—	—	1936—40, 57—60	1936—40, 57—63
—	—	1925—34	1925—34
—	—	1921—35, 37—40	1921—35, 37—40
—	—	—	—
—	—	1937—41, 44—60	1937—41, 44—63
—	—	—	—
—	—	—	—

2) в случае отсутствия сведений о высоте метеоплощадки приведена высота бароскопической станции поставлен знак «?».

- 3, 3a. The frequency of a daily amplitude (regardless of weather conditions).
4. Average day-to-day temperature variation.
- 4a. Frequency of day-to-day air temperature variation within specific limits (%).
6. Number of days with average daily temperature within various limits.
7. Average temperature minimum.
8. Absolute temperature minimum.
10. The average of absolute temperature minimums.

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Station No. № станции	Станция Station	(А.)		
		9. Число дней с минимальной температурой в различных пределах	11. Средний максимум температуры	12. Абсолютный максимум температуры. 14. Средний из абсолютных максимумов температуры
136	Базово	—	1905—17, 20—26, 28—40	1905—17, 20—26, 28—40
82	Белогорка	—	1926—41, 44—60	1926—41, 44—63
60	Большой Тютерс ¹	—	1922—24, 26—27	—
101	Боровичи и Полюновка	—	1930—60	1930—63
85	Будогощь	—	1929—60	1929—63
	Бусаны, см. Николаевское и Бусаны	—	—	—
127	Быстрцово	—	—	—
110	Валдай	1901—02, 25—60	1924—60	1924—63
17	Валданицы	—	1904—09, 11—17	1904—09, 11—17
	Васильково, см. Прилада	—	—	—
137	Великие Луки	1936—39, 48—60	1914—15, 25—34, 36—40, 47—60	1914—15, 25—34, 36—41, 47—63
112	Велье	—	1925—26, 28—30	—
96	Веребье	1892—94, 96—04, 06—08, 10—60	1921—60	1921—63
84	Вилии Горы	—	1944—49	1944—49
13	Винницы	—	1936—42, 45—60	1936—42, 45—63
4	Вознесенье	1897—04, 28—41, 44—60	1928—41, 44—60	1928—41, 44—63
46	Воейково	—	1945—60	1945—63
102	Войцы	—	1945—60	1945—63
79	Волосово и Елазветино	—	1946—60	1946—63
50	Волхов (Волховстрой) и Званка	—	1924—60	1924—63
10	Выборг	—	1940—41, 44—60	1906—37, 40, 41, 44—63
	Вяжищи, см. Новгород, болотная ст.	—	—	—
72	Гакково	—	1934, 36—41	1934, 36—41
23	Гарболово	—	1929—42	1929—42
77	Гатчина (Красногвардейск)	—	1931—37	1931—37
117	Гдов	—	1931—41, 45—60	1916—18, 21—41, 45—63
35	Гогланд	—	1914—17, 26—37, 41, 45—60	1914—17, 26—37, 41, 45—63
37	Гогланд I	—	1924—37	1926—37
	Гогланд II, маяк (см. Гогланд) ¹	—	—	—
	Григорово, см. Новгород-Григорово	—	—	—

(В.) ¹ Даты табл. 16 получены с графика зависимости средней минимальной темпе-

- 136 Bazlovo
82 Belogorka
60 Bol'shoy Tyuterc¹
101 Borovichy and Polynovka
85 Budogoshch'
Busany, See Nikolayevskoye and Busany
127 Bystretsovo
110 Valday
17 Valdanitsy
Vasil'kovo, See Priladoga
137 Velikiye Luki
112 Vel'ye
96 Vereb'ye
84 Vil'i Gory
13 Vinnitsy
4 Voznesen'ye
46 Voyeykovo
102 Voytsy
79 Volosovo and Elizabetino
50 Volkhov (Volkhovstroy) and Zvanka
10 Vyborg
Vyazhishchi, See Novgorod, bog sta.
72 Gakkovo
23 Garbolovo
77 Gatchina (Krasnogvardeysk)
117 Gdov
35 Gogland

37 Gogland I

Gogland II, beacon (See Gogland)¹

Grigorovo, See Novgorod-Grigorovo

- A. 9. The number of days with a minimum temperature within various limits.
11. Average temperature maximum.
12. Absolute temperature maximum.
14. The average of absolute temperature maximums.
- B. ¹ The dates in Table 16 were obtained from a graph of the dependence of the average minimum temperature and the mean dates of the first and last frosts in the air.

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13. Число дней с максимальной температурой в различных пределах	16. Даты первого и последнего заморозка и продолжительность безморозного периода	19, 19 ^a . Повторяемость морозных периодов и периодов с оттепелью различной продолжительности. 19 ^b . Повторяемость числа дней с различной максимальной температурой при оттепелях	20. Число дней с отрицательной температурой во все часы суток, с переходом температуры через 0° и с положительной температурой во все часы суток
---	--	---	--

—	1900—02, 05—17, 20—27, 33—40	—	—
—	1926—41, 44—60	—	—
—	—	—	—
—	1891—95, 30—60	—	—
—	1929—60	—	—
—	—	—	—
1924—60	1901—02, 25—60	—	1901—02, 24—60
—	1903—08, 11—17	—	—
—	—	—	—
1914—15, 26, 48—60	1891—17, 24—40 48—60	1914—15, 36—39, 47—61	1914—15, 26, 36—39, 48—60
1921—60	1901—10, 26, 28—30 1892—94, 96—99 01—04, 06—08, 10—41, 43—60 1944—49 1944—60	—	1892—60
—	—	—	—
1928—34, 36—41, 44—60	1897—04, 13, 28—41, 44—60 1945—50, 52—60 1945—60 1946—60	—	1897—04, 28—41, 44—60
—	—	—	—
—	1924—60	—	—
—	1946—60	—	—
—	—	—	—
—	1934, 37—41	—	—
—	1930—41	—	—
—	—	—	—
—	1931—37	—	—
—	1917—40, 44—60	—	—
—	—	—	—
—	1908—17, 41, 45—60	—	—
—	—	—	—
—	—	—	—
—	—	—	—

ратуры и средними датами первого и последнего заморозка в воздухе.

13. Number of days with a maximum temperature within various limits.
16. The dates of the first and last frosts and the duration of the frost-free period.
- 19, 19a. The frequency of frost periods and periods of thaw of various duration.
- 19b. The frequency of number of days with various maximum temperatures during thaws.
20. The number of days with a negative temperature for all the hours of the day, with temperature transition through 0° and with a positive temperature for all the hours of the day.

Station No.	Станция Station	(А.)		
		9. Число дней с минимальной температурой в различных пределах.	11. Средний максимум температуры.	12. Абсолютный максимум температуры. 14. Средний из абсолютных максимумов температуры.
№ станции				
129	Дедовичи	—	1956—60	—
113	Демянск	—	1943—60	1943—63
124	Дно	—	1926—30, 32—41 44—60	1926—30, 32—41, 44—63
	Елизаветино, см. Воло- сово и Елизаветино	—	—	—
78	Ефимовская	—	1930—60	1930—63
139	Жигалово	—	1954—59	1954—59
121	Замостье, болотная ст.	—	1924—35	1924—35
91	Замостье Ольгино	—	1924—28, 30	—
120	Зачеренье	—	1922—29	1922—29
	Званка, см. Волхов и Званка	—	—	—
28	Зеленогорск ¹	—	1932—34	—
138	Идрица	—	1927—40, 45—60	1927—40, 45—63
123	им. Залита, остров	—	1946—57	1946—57
65	Кайболово и Курголово	—	1922—24, 30—41	1922—24, 30—41
95	Каменка	—	1941—57	1941—57
32	Кареджи, маяк	—	1946—60	1946—63
81	Кингисепп	—	1924, 27—41, 44—60	1924, 27—41 44—63
74	Кипень	—	1957—60	—
	Колгомя, см. Старое Гарколово и Кол- гомя	—	—	—
8	Коневец	—	1934—37	1934—37
106	Коростынь	—	1941, 44—60	1941, 44—63
	Красногвардейск, см. Гатчина	—	—	—
104	Крестцы	—	1937—60	1937—63
42	Кронштадт	—	1914—18, 23—58	1914—18, 23—58
	Курголово, см. Кайбо- лово и Курголово	—	—	—
44	Лебяжье	—	1922—24, 26—58	1922—24, 26—58
34	Левашево	—	1924—35	—
43	Ленинград, аэропорт	—	1933—41, 44—54	1933—41, 44—54
45	Ленинград, ГМО	1891—13, 15—60	1881, 83—60	1881, 83—63
	Ленинград, город (см. Ленинград, ГМО)	—	—	—
40	Ленинград, Лесной	—	—	—
	Ленинград, порт см. Невская (г. Ленин- град)	—	—	—

(В.)¹ Даты табл. 16 получены с графика зависимости средней минимальной темпе-

- 129 Dedobichi
113 Demyansk
124 Dno
Elizabetino, See Volosovo and Elizabetino
78 Efimovskaya
139 Zhigalovo
121 Zamosh'ye, bog sta.
91 Zamosh'ye Ol'gino
120 Zacheren'ye
Zvanka, See Volkhov and Zvanka
28 Zelenogorsk¹
138 Indritsa
123 "imeni" Zalita, island
65 Kaybolovo and Kurgolovo
95 Kamenka
32 Karedzhi, beacon
81 Kingisepp
74 Kipen'
Kolgompya, See Staroye Garkolovo and Kolgompya
8 Konevets
106 Korostyn'
Krasnogvardeysk, See Gatchina
104 Kresttsy
42 Kronshtadt
Kurgolovo, See Kaybolovo and Kurgolovo
44 Lebyazh'ye
34 Levashevo

- 43 Leningrad, airport
- 45 Leningrad, GMO [hydrometeorological observatory]
Leningrad, city (See Leningrad GMO)
- 40 Leningrad, Lesnoy
Leningrad, port, See Nevskaya (city of Leningrad)
- A. 9. The number of days with a minimum temperature within various limits.
11. Average temperature maximum.
12. Absolute temperature maximum.
14. The average of absolute temperature maximums.
- B. ¹ The dates in Table 16 were obtained from a graph of the dependence of the average minimum temperature and the mean dates of the first and last frosts in the air.

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13. Число дней с максимальной температурой в различных пределах	16. Даты первого и последнего заморозка и продолжительность безморозного периода	19, 19 ^a . Повторяемость морозных периодов и периодов с оттепелью различной продолжительности. b. Повторяемость числа дней с различной максимальной температурой при оттепелях	20. Число дней с отрицательной температурой во все часы суток с переходом температуры через 0° и с положительной температурой во все часы суток
—	1956—60	—	—
—	1943—60	—	—
—	1924—30, 32—41, 44—60	—	—
—	—	—	—
—	1930—60	—	—
—	1954—59	—	—
—	1914—15, 24—35	—	—
—	1924—30	—	—
—	1924—29	—	—
—	—	—	—
—	1925—60	—	—
—	1946—56	—	—
—	1923—41	—	—
—	1941—57	—	—
—	1946—60	—	—
—	1925—41, 44—60	—	—
—	1957—60	—	—
—	—	—	—
—	1898—08	—	—
—	1941, 44—60	—	—
—	—	—	—
—	1938—60	—	—
—	1891—98, 01—07, 09—18, 23—57	—	—
—	—	—	—
—	1922—57	—	—
—	1924—35	—	—
—	1933—41, 45—47, 49—54	—	—
1881, 84—13, 15—60	1891—60	1883—60	1881, 83—60
—	—	—	—
—	1891—40	—	—
—	—	—	—

ратуры и средними датами первого и последнего заморозка в воздухе.

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13. Number of days with a maximum temperature within various limits.
16. The dates of the first and last frosts and the duration of the frost-free period.
- 19,19a. The frequency of frost periods and periods of thaw of various duration.
- 19b. The frequency of number of days with various maximum temperatures during thaws.
20. The number of days with a negative temperature for all the hours of the day, with temperature transition through 0° and with a positive temperature for all the hrs of the day.

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Station No.	Станция Station	(А.)	11. Средний максимум температуры	12. Абсолютный максимум температуры. 14. Средний из абсолютных максимумов температуры
№ станции		9. Число дней с минимальной температурой в различных пределах		
55	Ленинград, Фарфоровый завод	—	—	—
2	Лесогорский	—	1945—60	1945—63
	Линова, см. Пыталово и Линова	—	—	—
39	Лисий Нос	—	1922—60	1922—63
11	Лодейное Поле	—	1927—41, 44—60	1927—41, 44—63
52	Ломоносов (Ораниенбаум)	—	1919—60	1919—63
51	Ломоносов, лесной техникум (Ораниенбаум)	—	1927—32	1927—32
90	Луга	—	1924—25, 28—37	1924—25, 28—37
83	Любань	—	1941, 44—60	1941, 44—63
118	Ляды	—	1937—41, 44—60	1937—41, 44—63
115	Марево	—	1943—60	1943—63
26	Маяк, остров	—	—	—
66	Мга	—	1934—40	1934—40
18	Мининская	—	1944—50	1944—50
114	Молвотицы	—	1937—41	—
38	Мощный	—	1940—60	1940—63
5	Мятусово	—	1927—36	1927—34, 36
24	Нарвский, остров ¹	—	1929—37	1929—37
53	Невская (г. Ленинград)	—	1936—60	1920—63
19	Нижние Никулясы	—	—	—
86	Низовская	—	1937—40	—
92	Николаевское и Бусаны	1891—41, 44—60	1910—41, 44—60	1889—01, 03—41, 44—63
33	Новая Ладога	—	1928—60	1928—63
97	Новгород, болотная ст.	—	1915—40	1915—40
100	Новгород	1899—02, 06—17 20—23, 25—41 44—60	1916—17, 20—23, 25—41, 44—60	1916—17, 20—23, 25—41, 44—63
80	Новопятницкая	—	1925—31	1925—31
61	Ново-Саратовская	—	1943—55	1943—55
140	Новохованск	—	1958—60	—
27	Озерки	—	1936—37, 45—60	1936—37, 45—63
103	Окуловка	—	1930—60	1930—63
134	Опочка	—	1933—40, 45—60	1933—40, 45—63
	Ораниенбаум, гм с, см. Ломоносов	—	—	—
	Ораниенбаум, лесной техникум, см. Ломоносов, лесной техникум	—	—	—

(В.)¹ Данные сняты с графика.

- 55 Leningrad, porcelain plant
2 Lesogorskiy
Linova, See Pytalovo and Linova
39 Lisiy Nos
11 Lodeynoye Pole
52 Lomonosov (Oranienbaum)
51 Lomonosov, forestry technical school (Oranienbaum)
90 Luga
83 Lyuban'
118 Lvady
115 Marevo
66 Mga
18 Mininskaya
114 Molvotitsy
38 Moshchnyy
5 Myatusovo
24 Narvskiy, island¹
53 Nevskaya (city of Leningrad)
19 Nizhniye Nikulyasy
86 Nizovskaya
92 Nikolayevskoye and Busany
33 Novaya Ladoga
97 Novgorod, bog sta.
100 Novgorod
80 Novopiatnitskaya
61 Novo-Saratovskaya
140 Novokhovansk

- 27 Ozerki
- 103 Okulovka
- 134 Opochka
- Oraniyenbaum, hydrometeorological sta., See Lomonosov
- Oraniyenbaum, forestry technical school, See Lomonosov,
forestry technical school
- A. 9. Number of days with a minimum temperature within various
limits.
11. Average temperature maximum.
12. Absolute temperature maximum.
14. The average of absolute temperature maximums.
- B. ¹ Data is taken from a graph.

13. Число дней с максимальной температурой в различных пределах	16. Даты первого и последнего заморозка и продолжительность безморозного периода	19, 19 ^a . Повторяемость морозных периодов и периодов с оттепелью различной продолжительности. b. Повторяемость числа дней с различной максимальной температурой при оттепелях	20. Число дней с отрицательной температурой во все часы суток, с переходом температуры через 0° и с положительной температурой во все часы суток
---	--	--	--

—	1903—13	—	—
—	1945—60	—	—
—	—	—	—
—	1922—60	—	—
—	1927—30, 32—60	—	—
—	1919—60	1919—61	—
—	1927—31	—	—
—	1925—37	—	—
—	1941, 44—60	—	—
—	1938—41, 44—60	—	—
—	1944—60	—	—
—	1935—40	—	—
—	1944—50	—	—
—	1938—41	—	—
—	1941—44, 46—60	—	—
—	1928—33	—	—
—	1936—60	—	—
—	1936—38	—	—
—	1938—40	—	—
1910—41, 44—60	1891—01, 03—41, 44—60	1910—41, 44—61	1891—41, 44—60
—	1891—04, 15—19, 28—60	—	—
—	1915—40	—	—
1916—17, 20—23, 25—41, 44—60	1899—02, 06—17, 20—23, 25—41, 45—60	1916—17, 20—61	1899—02, 06—17, 20—23, 25—41, 44—60
—	1925—31	—	—
—	1943—55	—	—
—	1958—60	—	—
—	1945—60	—	—
—	1930—60	—	—
—	1933—60	—	—
—	—	—	—
—	—	—	—

13. Number of days with a maximum temperature within various limits.
16. Dates of the first and last frost and the duration of the frost-free period.
- 19,19a. The frequency of frost periods and periods of thaw of various durations.
- 19b. The frequency of the number of days with various maximum temperatures during thaws.
20. The number of days with a negative temperature for all the hours of the day, with temperature transition through 0° and with a positive temperature for all the hours of the day.

Station No.	Станция Station	(А.)		
		9. Число дней с минимальной температурой в различных пределах	11. Средний максимум температуры	12. Абсолютный максимум температуры 14. Средний из абсолютных максимумов температуры
89	Оредеж	—	1928—41	1928—41
30	Осиновец	—	1941—60	1941—63
130	Остров	—	1926—41, 44—51	1926—41, 44—51
87	Осьмино	—	1933—41, 44—60	1933—41, 44—63
99	Охоты	—	1929, 31—60	1929, 31—63
70	Павловск (Слуцк)	1891—41	1881—41	1881—41
109	Парфинская лесная школа	—	1922—28	—
	Петергоф Новый, гмс, см. Петродворец	—	—	—
	Петергоф Старый, парк, см. Петродворец, парк	—	—	—
54	Петродворец (Петергоф Новый)	—	1922—24, 30—35	1922—24, 30—35
56	Петродворец, парк (Петергоф Старый)	—	1925—31	—
49	Петрокрепость (Шлисельбург)	—	1912—14, 40—41, 43—60	1912—14, 40—41, 43—63
	Полоное, см. Порхов и Полоное	—	—	—
	Полыновка, см. Боровичи и Полыновка	—	—	—
64	Пороги на Неве	—	—	—
126	Порхов и Полоное	—	1923—27, 30, 32—34, 44—46	1923—27, 30, 32—34, 44—46
59	Привадога	—	1921—41	1921—41
21	Приморск	—	1945—60	1945—61
3	Приозерск	—	1930—37, 41, 44—60	1930, 32—37, 41, 44—63
125	Псков	1928—41, 44—60	1913—15, 28—41, 44—60	1913—15, 28—41, 44—63
128	Псков, с.х. ст.	—	1926—41	1926—41
67	Пушкин (Детское село)	—	1920—32, 44—60	1920—32, 44—61
68	Пушкин, с.х. ст. (Детское село)	—	—	—
132	Пушкинские Горы	—	1924—38, 1931—34, 39, 46—60	1924—38, 1931—40, 46—63
131	Пыталово и Липова	—	1945—60	1945—63
25	Роцино	—	1940—41, 44—60	1940—41, 44—63
7	Ряттиари	—	—	—
75	Саблино	—	1936—38, 46—60	1936—38, 46—63
16	Свирица и Сермакса	1891—04, 06—08, 12—26, 28—60	1928—60	1928—63
12	Свирьстрой	—	1929—36	1929—36
111	Семеловщина	—	1928—35	1928—35

- 89 Oredezh
30 Osinovets
130 Ostrov
87 Os'mino
99 Okhony
70 Pavlovsk (Slutsk)
109 Parfinskaya forestry school
Petergof Novyy, hydrometeorological station, See
Petrodvorets
Petergof Staryy, park, See Petrodvorets, park
54 Petrodvorets--(Petergof Novyy)
56 Petrodvorets, park (Petergof Staryy)
49 Petrokrepost' (Shlissel'burg)
Polonoye, See Porkhov and Polonoye
Polynovka, See Borovichi and Polynovka
64 Porogi na Nebe
126 Porkhov and Polonoye
59 Priladoga
21 Primorsk
3 Priozersk
125 Pskov
128 Pskov, agricultural sta.
67 Pushkin (Detskoye village)
68 Pushkin, agricultural sta. (Detskoye village)
132 Pushkinskiye Gory
131 Pytalovo and Linova
25 Roshchino

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7 Pyattiyarvi
75 Sablino
16 Sviritsa and Sermaksa
12 Svirstroy
111 Semenovshchina

A. 9. Number of days with a minimum temperature within various limits.

11. Average temperature maximum.

12. Absolute temperature maximum.

14. The average of absolute temperature maximums.

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13. Число дней с максимальной температурой в различных пределах	16. Даты первого и последнего заморозка и продолжительность безморозного периода	19, 19 ^a . Повторяемость морозных периодов и периодов с оттепелью различной продолжительности. ^b . Повторяемость числа дней с различной максимальной температурой при оттепелях	20. Число дней с отрицательной температурой во все часы суток, с переходом температуры через 0° и с положительной температурой во все часы суток
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—	1928—41	—	—
—	1941—60	—	—
—	1926—41, 44—51	—	—
—	1933, 35—41, 45—60	—	—
—	1930—60	—	—
1881—97, 1900—41	1891—41	—	1881—41
—	1924—30	—	—
—	—	—	—
—	—	—	—
—	1922—35	—	—
—	1925—31	—	—
—	1891—14, 40, 43—60	1912—14, 43—61	—
—	—	—	—
—	—	—	—
—	1924—27, 30, 32—34 44—46	—	—
—	1921—41	—	—
—	1945—60	—	—
—	1945—60	—	—
1913—15, 28—41, 44—60	1891—99, 01—05, 09—11, 13—15, 29—41, 45—60	1913—15, 28—41, 44—61	1913—15, 28—41, 44—60
—	1916—17, 23—41	—	—
—	1920—32, 44—60	—	—
—	1924—38	—	—
—	1932—34, 39, 48—60	—	—
—	1945—60	—	—
—	1940, 44—60	—	—
—	—	—	—
—	1936, 46—60	—	—
1928—60	1891, 93—04, 06—08, 12—26, 28—60	—	1891—04, 06—08, 12—26, 28—60
—	1929—36	—	—
—	1930—35	—	—

13. Number of days with a maximum temperature within various limits.
16. Dates of the first and last frost and the duration of the frost-free period.
- 19,19a. The frequency of frost periods and periods of thaw of various durations.
- 19b. The frequency of the number of days with various maximum temperatures during thaws.
20. The number of days with a negative temperature for all the hours of the day, with temperature transition through 0° , and with a positive temperature for all the hours of the day.

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Station No.	Станция Station	(А.) 9. Число дней с минимальной температурой в различных пределах	11. Средний мак- симум темпе- ратуры	12. Абсолютный максимум тем- пературы. 14. Средний из абсолютных максимумов температуры
№ станции				
	Сермакса, см. Свирица и Сермакса	—	—	—
36	Сескар	—	1924—37, 42—44	1924—37, 42—44
31	Сестрорецк	—	1923—41, 44—55	1923—41, 44—55
63	Систо-Палкино	—	—	—
135	Скоково	—	1947—51	—
	Слуцк, см. Павловск	—	—	—
107	Сольцы на Шелони	—	1933—35	—
9	Сортамлахти, маяк ¹	—	1912, 14, 30—37	1910, 12, 14, 30—37
14	Сосново	—	1950—60	1950—63
15	Сосново, старая ст. ¹	—	1929—37	1923—37
22	Сосновый Бор	—	1897—16, 24—37	1897—16, 24—37
119	Сосно-Расковель	—	1944—46, 48—51	1944—46, 48—51
108	Старая Русса	—	1928—41, 44—60	1928—41, 44—63
62	Старое Гарколово и Колгомля	—	1923—60	1923—41, 45, 47—63
57	Стрельна	—	1926—41	1926—41
58	Стрельна, с.х. ст.	—	—	—
122	Струги Красные	—	1944—60	1944—63
20	Сухо, маяк	—	1933—35, 37—38 45—60	1933—63
133	Сушево	—	1935—40, 45—60	1935—40, 45—63
76	Тихвин	—	1938—60	1938—63
71	Тихвин, Березовик	—	1926—39	1926—39
69	Тихвин, лесная ст.	—	1931—35	—
1	Токари	—	1938—41, 44—57	1938—41, 44—57
29	Токсово	—	1943—60	1943—63
88	Толмачево	—	1944—50	1944—50
73	Усть-Луга	—	1922—41, 45—58	1922—41, 44—58
6	Ханнила	—	—	—
94	Хвойная	—	1932—60	1932—63
116	Холм	—	1929—40, 46—60	1929—40, 46—63
98	Хутынь	—	1921—27	1921—27
48	Черная Речка	—	1921—35	1921—35
93	Чудово	—	1936—40, 57—60	1936—40, 57—63
41	Шепелевский, маяк	—	1925—34	1925—34
105	Шимек и Шелонь	—	1921—35, 37—40	1921—35, 37—40
	Шлиссельбург, см. Пет- рокрепость	—	—	—
47	Щугозеро	—	1937—41, 44—60	1937—41, 44—63
	Ямм	—	—	—
	Яски, см. Лесогорский	—	—	—

(В.)¹ Даты табл. 16 получены с графика зависимости средней минимальной темпе-

	Sermaksa, See Svirlitsa and Sermaksa
36	Seskar
31	Sestroretsk
63	Sisto-Palkino
135	Skokovo
	Slutsk, See Pavlovsk
107	Sol'tsy na Sheloni
9	Sortanlakhti, beacon ¹
14	Sosnovo
15	Sosnovo, old station ¹
22	Sosnovyy Bor
119	Sosno-Raskopel'
108	Staraya Russa
62	Staroye Garkolovo and Kolgompya
57	Strel'na
58	Strel'na, agricultural station
122	Strugi Krasnyye
20	Sukho, beacon
133	Sushchevo
76	Tikhvin
71	Tikhvin, Berezovik
69	Tikhvin, forestry sta.
1	Tokari
20	Toksovo
88	Tolmachevo
73	Ust'-Luga
6	Khannila

94	Khvoynaya
116	Kholm
98	Khutyn'
48	Chernaya Rechka
93	Chudovo
41	Shepelevskiy, beacon
105	Khimsk and Shelon'
	Shlissel'burg, See Petrokrepost'
47	Shugozero
	Yamm
	Yaski, See Lesogorskiy

- A. 9. Number of days with a minimum temperature within various limits.
11. Average temperature maximum.
12. Absolute temperature maximum.
14. The average of absolute temperature maximums.
- B. ¹ The dates in Table 16 are obtained from a graph of the dependence of the average minimum temperature and the mean dates of the first and last frost in the air.

13. Число дней с максимальной температурой в различных пределах	16. Даты первого и последнего заморозка и продолжительность безморозного периода	19, 19 ^a . Повторяемость морозных периодов и периодов с оттепелью различной продолжительности. b. Повторяемость числа дней с различной максимальной температурой при оттепелях	20. Число дней с отрицательной температурой во все часы суток, с переходом температуры через 0° и с положительной температурой во все часы суток
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—	—	—	—
—	1942—44	—	—
—	1923—41, 44—55	—	—
—	—	—	—
—	1948—51	—	—
—	—	—	—
—	1933—35	—	—
—	—	—	—
—	1950—60	—	—
—	—	—	—
—	1897—1916	—	—
—	1946, 48—51	—	—
—	1901—02, 29—41, 44—60	—	—
—	—	—	—
—	1923—41, 47—60	—	—
—	—	—	—
—	1926—41	—	—
—	1925—30	—	—
—	1944—60	—	—
—	1933—35, 37—38, 45—60	—	—
—	1935—40, 46—60	—	—
—	1938—60	—	—
—	1925—39	—	—
—	1931—35	—	—
—	1938—41, 44—56	—	—
—	1943—60	—	—
—	1944—50	—	—
—	1922—41, 46—58	—	—
—	—	—	—
—	1933—60	—	—
—	1928—40, 47—60	—	—
—	1922—29	—	—
—	1921—35	—	—
—	1936—40, 57—60	—	—
—	1925—28, 31—34	—	—
—	1921—35, 38—40	—	—
—	—	—	—
—	1938—41, 44, 46—60	—	—
—	—	—	—
—	—	—	—

ратуры и средними датами первого и последнего заморозка в воздухе.

13. Number of days with a maximum temperature within various limits.
16. Dates of the first and last frost and the duration of the frost-free period.
- 19, 19a. The frequency of frost periods and periods of thaw of various durations.
- 19b. The frequency of the number of days with various maximum temperatures during thaws.
20. The number of days with a negative temperature for all the hours of the day, with temperature transition through 0° , and with a positive temperature for all the hours of the day.

Section 2. Soil Temperature

Раздел 2. Темпе

Station No. № станции	Station Станция	Elev. (m.) Высота (м)	Soil surface temperature Температура поверхности	
			Average monthly средняя месячная	Maximum максимальная
Years of observation Годы				
82	Белогорка	89	1947-60	1947-63
101	Боровичи	89	1947-60	1947-63
85	Будогощь	53	1947-60	1947-63
110	Валдай	201	1948-60	1948-63
137	Великие Луки	97	1949-60	1949-63
96	Версбье	113	1947-60	1947-63
13	Виницы	109	1948-60	1948-63
4	Вознесенье	37	1949-60	1949-63
46	Восейково	72	1947-60	1947-63
102	Войцы	22	1949-60	1949-63
79	Волосово	127	1947-60	1947-63
10	Выборг	14	1948-59	1948-59
117	Гдов	36	1949-60	1948-63
35	Гогланд	5	1953-60	1953-63
113	Демянск	61	1947-60	1947-63
124	Дно	68	1947-60	1947-63
78	Ефимовская	171	1947-60	1947-63
139	Жигалово	110?	1954-59	1954-59
138	Идрица	136	1947-60	1947-63
123	им. Залита, остров	43	1947, 49-57	1949, 51-57
95	Каменка	215	1947-57	1947-57
81	Кингисепп	17	1947-60	1947-63
74	Кишень	122	1957-60	1957-63
106	Коростынь	44	1947-60	1947-63
104	Крестцы	54	1947-60	1947-48, 50-63
42	Кронштадт	5	1947-58	1947-58
44	Лебяжье	3	1948-58	1948-58
45	Ленинград, ГМО	2	1947-60	1947-63
2	Лесогорский	39	1947-60	1947-63
39	Лисий Нос	3	1949-60	1949-63
11	Лодейное Поле	21	1947-60	1947-63
52	Ломоносов	2	1947-60	1949-63
83	Любань	36	1947-60	1947-63
118	Ляды	71	1948-60	1948-63
115	Марево	115	1949-60	1949-63
38	Мощный	6	1948, 50-60	1948, 51-63
53	Невская (г. Ленинград)	3	1950-57	1950-57
92	Николаевское	91	1947-60	1947-63
33	Новая Ладога	12	1948-60	1949-63
100	Новгород	24	1948-60	1948-63
61	Ново-Саратовская	11	1947-55	1947-55
27	Озерки	4	1947-60	1947-63
103	Окуловка	173	1947-60	1947-63
134	Опочка	97	1947-60	1947-63
30	Осиновец	8	1949-60	1950-63
130	Остров	556	1947-51	1947-51
87	Осьмино	51	1948-60	1948-63
99	Охоны	149	1947-60	1947-63
49	Петрокрепость	6	1948-60	1948-63
21	Приморск	3	1948-60	1948-63
3	Приозерск	9	1949-60	1949-63

82	Belogorka
101	Borovichl
85	Budogoshch'
110	Valday
137	Velikiye Luki
96	Vereb'ye
13	Vinnitsy
4	Voznesen'ye
46	Voeykovo
102	Voytsy
79	Volosovo
10	Vyborg
117	Gdov
35	Gogland
113	Demvansk
124	Dno
78	Efimovskaya
139	Zhigalovo
138	Idritsa
123	"Imeni" Zalita, island
95	Kamenka
81	Kingisepp
74	Kipen'
106	Korostyn'
104	Kresttsy
42	Kronshtadt
44	Lebyazh'ye

45	Leningrad, GMO [hydrometeorological observatory]
2	Lesogorskiy
39	Lisly Nos
11	Lodeynoye Pole
52	Lomonosov
83	Lyuban'
118	Lyady
115	Marevo
38	Moshchnyy
53	Nevskaya (city of Leningrad)
92	Nikolayevskoye
33	Novaya Ladoga
100	Novgorod
61	Novo-Saratovskaya
27	Ozerki
103	Okulovka
134	OPOCHKA
30	Osinovets
130	Ostrov
87	Os'mino
99	Okhony
49	Petrokrepost'
21	Primorsk
3	Prizhorsk

ратура почвы

почвы	(А.)	5. Даты первого и последнего заморозка на поверхности почвы и продолжительность безморозного периода	8. Глубина промерзания почвы
минимальная	2. Средняя месячная температура верхних слоев почвы по коленчатым термометрам		

наблюдений

1947-63	1941, 44-60	1947-60	1935-63
1947-63	1941-45, 47-60	1947-60	1935-40, 43-61
1947-63	1941, 45-60	1947-60	1935-37, 43-63
1948-63	1941, 44-46, 48-60	1948-60	—
1949-63	—	1949-60	—
1947-63	—	1947-60	1943-62
1948-63	1951-60	1948-60	1937-63
1949-63	—	1949-60	—
1947-63	1947-60	1947-60	—
1949-63	—	1950-60	—
1947-63	1946-48, 56-60	1947-60	1946-63
1948-59	—	1948-59	—
1947-63	1951-60	1947-60	1938-62
1953-63	—	1953-60	—
1947-63	1944-48	1947-60	—
1947-63	1946-60	1947-54, 56-60	1947-62
1947-63	1941-60	1947-60	1936-63
1954-59	1954-58	1954-59	—
1947-63	—	1947-60	1947-62
1949, 51-57	—	1949-56	—
1947-57	—	1947-57	—
1947-63	1940, 44-60	1947-60	1935-63
1957-63	1957-62	1957-62	—
1947-63	—	1947-60	1938-40, 45-62
1947-63	—	—	1947-62
1947-58	1945-57	1947-60	—
—	1941-42, 44-57	1947-57	—
1947-63	1941-60	1948-57	—
1947-63	1948-60	1947-60	1949-59
1949-63	—	1947-60	1946-63
1947-63	—	1949-60	—
1947-63	1944-60	1947-60	—
1947-63	—	1947-60	—
1948-63	—	1948-60	1938-41, 44-62
1949-63	1949-60	1949-60	1937-40, 44-62
1948-63	1948, 50, 52-59	1952-60	—
1950-57	—	1950-57	—
1947-63	1944-60	1947-60	1935-63
1948-63	—	1948-60	—
1948-63	1941, 48-60	1948-60	1936-41, 45-62
1947-55	1943-48	1947-54	1943-45
1947-63	—	1947-60	—
1947-63	1947-60	1947-60	1932-62
1947-63	—	1947-60	1947-62
1949-63	—	1949-60	—
1947-51	1935-36, 39-40, 46-51	1947-51	—
1948-63	—	1948, 50-60	—
1947-63	1939-60	1947-60	1937-62
1948-63	—	1948-60	—
1948-63	1948-60	1948-60	—
1949-63	—	1950-60	—

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- A. 2. Average monthly temperature of the upper layers of the soil from angle thermometers.
5. The dates of the first and last frost at the surface of the soil and the duration of the frost-free period.
8. The depth of freezing of the soil.

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Station No. № станции	Station Станция	Elev. (m.). Высота (м)	Soil surface temperature I. Температура поверхности	
			Monthly average средняя Месячная	Maximum максимальная
125	Псков	42	1947-60	1947-63
67	Пушкин	63	1947-60	1947-63
132	Пушкинские Горы	107	1949-60	1949-63
131	Пыталово	81	1947-60	1947-63
25	Роудино	97	1947-60	1947-63
75	Саблино	346	1947-60	1947-63
16	Свирица	7	1949-60	1949-63
14	Сосново	68	1950-60	1950-63
108	Старая Русса	24	1947-60	1947-63
62	Старое Гарколово	6	1949-60	1949-63
122	Струги Красные	127	1949-60	1949-63
133	Сущево	108	1948-60	1949-63
76	Тихвин	59	1949-60	1947-63
1	Токари	135	1947-57	1948, 50-57
29	Токсово	111	1947-60	1948-63
94	Хвойная	162	1947-60	1947-63
116	Холм	70	1947-60	1949-63
47	Шугозеро	89	1947-60	1947-63

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125	Pskov
67	Pushkin
132	Pushkinskiye Gory
131	Pytalovo
25	Roshchino
75	Sablino
16	Sviritsa
14	Sosnovo
108	Staraya Russa
62	Staroye Garkolovo
122	Strugi Krasniye
133	Sushchevo
76	Tikhvin
1	Tokari
29	Toksovo
94	Khvoynaya
116	Kholm
47	Shugozero

of soil почвы		5. Даты первого и последнего за- морозка на по- верхности почвы и продолжитель- ность безмороз- ного периода	8. Глубина промерзания почвы
minimal минимальная	2. Средняя месячная тем- пература верхних слоев почвы по коленчатым термометрам		
1947-63	1945-60	1947-60	1936-41, 44-62
1947-63	1944-60	1947-60	—
1949-63	—	1949-60	1947-62
1947-63	1952-60	1948-60	1936-41, 44-62
1947-63	1941, 44-60	1947-60	—
1947-63	1946-60	1947-60	—
1949-63	—	1949-60	—
1950-63	—	1951-60	—
1947-63	1945, 47-60	1947-60	1935-41, 46-62
1949-63	1951-60	1949-60	—
1949-63	—	1949, 51-60	1945-62
1948-63	1948-60	1948-60	1948-62
1947-63	1941, 43, 46-60	1949-60	1935-63
1948, 50-57	—	1947, 49-57	1947-63
1948-63	—	1948-60	—
1947-63	1942-44, 46-60	1947-60	—
1947-63	1948-60	1947-60	1947-62
1947-63	—	1948-60	—

2. Mean monthly temperature of the upper layers of the soil based on measurements with angle thermometers.
5. Dates of the first and last light frost on the surface of the soil and the duration of the frost-free period.
8. Depth of freezing of soil.

No. of station	Station Станция	Height Высота (м)	Soil temperature based on 3. Температура почвы по вытяжным vacuum thermometer measurements				
			0.1	0.2	0.4	0.5	0.6

Годы

82	Белогорка	89	—	1926—41, 1926—41, 50—63 50—63	—	1951—63
101	Боровичи	89	—	1951—64 1951—64	—	1951—64
110	Валдай	201	—	1958—63 1958—63	—	—
4	Вознесенье	396	1928—41	1928—41 1928—41	—	—
46	Воейково	—	—	1949—63 1949—63	—	1949—63
124	Дно	68	—	1931—41 1927—41 61—63 61—63	—	—
78	Ефимовская	171	—	1953—63 1953—63	—	1953—63
121	Замостье, болотная ст.	646	—	1924—35 ¹ —	1924—35	—
81	Кингисепп	196	—	1926—30 1926—30 32—34 32—34	—	—
42	Кронштадт	4	1917, 25—39, 41	1917, 25—39, 41 1917, 25—39, 41	—	—
45	Ленинград, ГМО, ста- рая площадка (ого- ленная поверхность под естественным по- кровом)	—	—	1891—1900 1894—33 1894—33	—	—
45	Ленинград, ГМО (но- вая площадка под естественным покровом)	—	—	1935—63 1935—63	—	—
40	Ленинград, Лесной	196	1911—37	1911—37 1911—37	—	—
92	Николаевское	91	1911—41	1911—41, 1911—41, 55—63 55—63	—	1955—63
97	Новгород, болотная ст.	466	—	1925—34 ³ 1918—31	—	—
70	Павловск, оголенная по- верхность под есте- ственным покровом	406	—	1891—17 1891—17 1891—37 1891—37	—	—
109	Нарфимская лесная школа	286	1903—13, 1903—13, 24—34 24—34	1924—34	—	—
59	Приладога	546	1924—41	1924—41 1924—41	—	—
25	Роцино	96	—	1957—63 1957—63	—	1957—63
31	Сестрорецк	56	1926—41	1926—41	—	—
22	Сосновый Бор	666	—	— 1897—02	—	—
108	Старая Русса	266	—	1935—41 1931—41	—	—
62	Старое Гарколово	126	1932—41	1927, 30—41 1927, 30—41	—	—
29	Токсово	111	—	1958—63 1958—63	—	—

¹ Глубина 0.25. ² По табл. 4, 6 и 7 данные старой и новой площадки объединены.

³ Глубина 0.3. ⁴ Глубина 2.5. ⁵ Глубина 2.0.

82.	Belogorka	1	Depth 0.25
101.	Borovich	2	From tables 4, 6, and 7 the data of the old and new areas are consolidated.
110.	Valday	3	Depth 0.3
4.	Voznesen'ye	4	Depth 2.5
46.	Voyeykovo	5	Depth 2.0
124.	Dno		
78.	Yefimovskaya		
121.	Zamosh'ye, swamp station		
81.	Kingisepp		
42.	Kronshtadt		
45.	Leningrad, GMO, old area (exposed surface under natural cover)		
45.	Leningrad, GMO (new area Under natural cover)		
40.	Leningrad, Lesnoy		
92.	Nikolayevskoye		
97.	Novgorod, swamp station		
70.	Pavlovsk, exposed surface under natural cover		
109.	Parfinsk forestry school		
59.	Priladoga		
25.	Roshchino		
31.	Sestroretsk		
22.	Sosnovyy Bor		
108.	Staraya Russa		
62.	Staroye Garkolovo		
29.	Toksovo		

термометрам на глубинах ①						4. Среднее, наибольшее и наименьшее число дней с температурой почвы $\leq 0^\circ$. 6. Даты первого и последнего мороза в почве и продолжительность безморозного периода. 7. Средняя наибольшая и наименьшая глубина проникновения температуры 0° в почву
0.8	1.0	1.2	1.6	2.4	3.2	

наблюдений ②

1926-41, 50-63	—	1951-63	1926-41, 50-63	1951-63	1951-63	1926-41, 51-63
1951-64	—	1951-64	1951-64	—	—	1951-63
1958-63	—	—	1958, 59 61-63	—	1958-63	—
1928-41	—	—	1928-41	—	—	1928-41
1949-63	—	1949-63	1949-63	1949-63	1949-63	1949-63
1927-41 61-63	—	—	1927-34	—	—	1927-41, 60-63
1953-63	—	1953-63	1953-63	1953-63	1953-63	1953-63
—	1924-35	—	—	—	—	1924-35
1926-30 32-34	—	—	1926-30 32-34	—	—	—
1917, 25-39, 41	—	—	1917, 25-39, 41	—	1917, 25-39, 41	1925-41
1891-1900 1894-33	—	—	1891-32 1894-33	—	1891-32 —	1891-32 1894-63
1935-63 1911-37 1911-41, 55-63 1918-33	— — — —	— — 1955-63 —	1935-63 1911-37 1911-41, 55-63 1918-33	— — 1955-63 1925-37 ⁴	— 1911-26 1955-63 —	1894-63 ² 1910-37 1910-41, 55-63 —
1891-17 1891-37	— —	— —	1891-17 1891-37	— —	1891-17 —	1891-17 1891-37
1924-34	—	—	1924-34	—	—	1903-13, 24-34
1924-41 1957-63 1926-41 1897-15 1931-41 1933-41 1958-63	— — — — — — —	— 1957-63 — — 1931-41 — —	— 1957-63 1926-41 1897-15 1931-41 1926, 27, 30-41 1958-63	— 1957-63 — — 1931-43 ⁶ — —	— 1957-63 — 1897-15 — — —	1923-41 1926-41 — — 1926-27, 30-41 —

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- (1) Soil temperature based on vacuum thermometer measurements;
- (2) Years of observations.

4. Mean, greatest, and least number of days with a soil temperature $\leq 0^{\circ}$.

6. Dates of the first and last frosts in the soil and the duration of the frost-free period.

7. Mean, greatest, and least depth of penetration of a temperature of 0° into the soil.

**УКАЗАТЕЛЬ ДЛЯ ТАБЛИЦ ОБОБЩЕННЫХ ХАРАКТЕРИСТИК
ЛЕНИНГРАДСКОЙ, НОВГОРОДСКОЙ И ПСКОВСКОЙ ОБЛАСТЕЙ**

№ таблиц	Название таблиц	Использованный период
17	Вероятность лет с заморозками различной интенсивности в зависимости от средней минимальной температуры воздуха за декаду	1891—1960
18	Даты наступления, прекращения и продолжительность устойчивых морозов	1891—1960
21	Расчетная температура самой холодной пятидневки, расчетная зимняя вентиляционная температура, средняя температура отопительного периода и его продолжительность	1881—1960
22	Число дней со средней суточной температурой воздуха в различных пределах при определенных значениях средней месячной температуры	1881—1960
23	Число дней с минимальной температурой воздуха в различных пределах при определенных значениях средних минимумов	1891—1960
24	Число дней с максимальной температурой воздуха в различных пределах при определенных значениях средних максимумов	1881—1960
25—32	Даты наступления средних суточных температур воздуха выше и ниже 0, 5, 10 и 15° различной вероятности	1881—1960
33—36	Продолжительность периода со средними суточными температурами выше 0, 5, 10 и 15° различной вероятности	1881—1960
37	Минимальная температура воздуха различной вероятности	1891—1960
38	Максимальная температура воздуха различной вероятности	1881—1960
39—42	Суммы температур выше 0, 5, 10 и 15° различной вероятности	1881—1960
43	Даты, к которым накапливаются суммы температур выше 5, 10, 15° определенной величины при различных средних суммах	1881—1960
44—46	Даты первого, последнего заморозков и продолжительность безморозного периода различной вероятности	1891—1960

INDEX FOR THE TABLES OF GENERALIZED CHARACTERISTICS FOR THE
LENINGRAD, NOVGOROD AND PSKOV OBLASTS

No. of of tables	Name of tables	Period used
17	Probability of years with light frosts of different intensity depending on the minimum air temperature for the decade	1891-1960
18	Dates of onset, termination and the duration of stable frosts	1891-1960
21	Calculated temperature of the coldest five-day period, calculated winter ventilation temperature, mean temperature of the heating period and its duration	1881-1960
22	Number of days with a mean daily air temperature in different limits with specific values of the mean monthly temperature	1881-1960
23	Number of days with minimum air temperature in different limits with specific values of mean minima	1891-1960
24	Number of days with maximum air temperature in different limits with specific values of mean maxima	1881-1960
25-32	Days of onset of mean daily air temperatures above and below 0, 5, 10 and 15° of different probability	1881-1960
33-36	Duration of the period with mean daily temperatures higher than 0, 5, 10 and 15° of different probability	1881-1960
37	Minimum air temperature of different probability	1891-1960
38	Maximum air temperature of different probability	1881-1960

Continued

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39-42	Totals of temperatures above 0, 5, 10 and 15° of different probability	1881-1960
43	Dates, by which the totals are accumulated for temperatures above 5, 10, 15° of a specific magnitude with different mean totals	1881-1960
44-46	Dates of the first and last light frosts and the duration of the frost-free period of different intensity	1891-1960

СПИСОК МЕТЕОРОЛОГИЧЕСКИХ СТАНЦИЙ КАРЕЛЬСКОЙ АССР

№ станции	Станция	№ станции	Станция
1	Черная Река	34	Поросозеро
2	Чула	35	Шуньга
3	Оланга	36	Куганаволок
4	Лоухи	37	Сласская Губа
5	Гридино	38	Вяртсиля
6	Кестеньга	39	Кондопога
8	Пильдозеро	40	Суоярви
9	Поньгома	41	Сенная Губа
10	Ухта	42	Янисъярви
11	Кемь, порт	43	Суйстамо, Леппясюрья
12	Панозеро	44	Клименицы
13	Кемь, город	45	Петрозаводск, Сулаж-Гора
14	Подужемье	46	Петрозаводск, озеро
15	Юшкозеро	47	Василиси
16	Жужмуй, остров	48	Теребовская
17	Раз-Наволок	49	Пудож
18	Беломорск	50	Петрозаводск, город
19	Кимасозеро	51	Колодозеро
20	Колежда	52	Сортавала
21	Ругозеро	53	Пряжа
22	Воренжа	54	Импилахти
23	Надвойцы	55	Палалахта
24	Реболы	56	Валаам
25	Сегежа	57	Ладва
26	Паданы	58	Мантсинсаари
27	Масельская	59	Ханхилааси, маяк
28	Морская Масельга	60	Куркийоки
29	Данилово	61	Хейнялуото, маяк
30	Медвежьегорск	62	Хийтола, Хиеккалаhti
31	Кудам-Губа	63	Виллиа
32	Повенец	64	Андрусово
33	Совдозеро	65	Олонец

LIST OF METEOROLOGICAL STATIONS OF THE KARELIAN ASSR

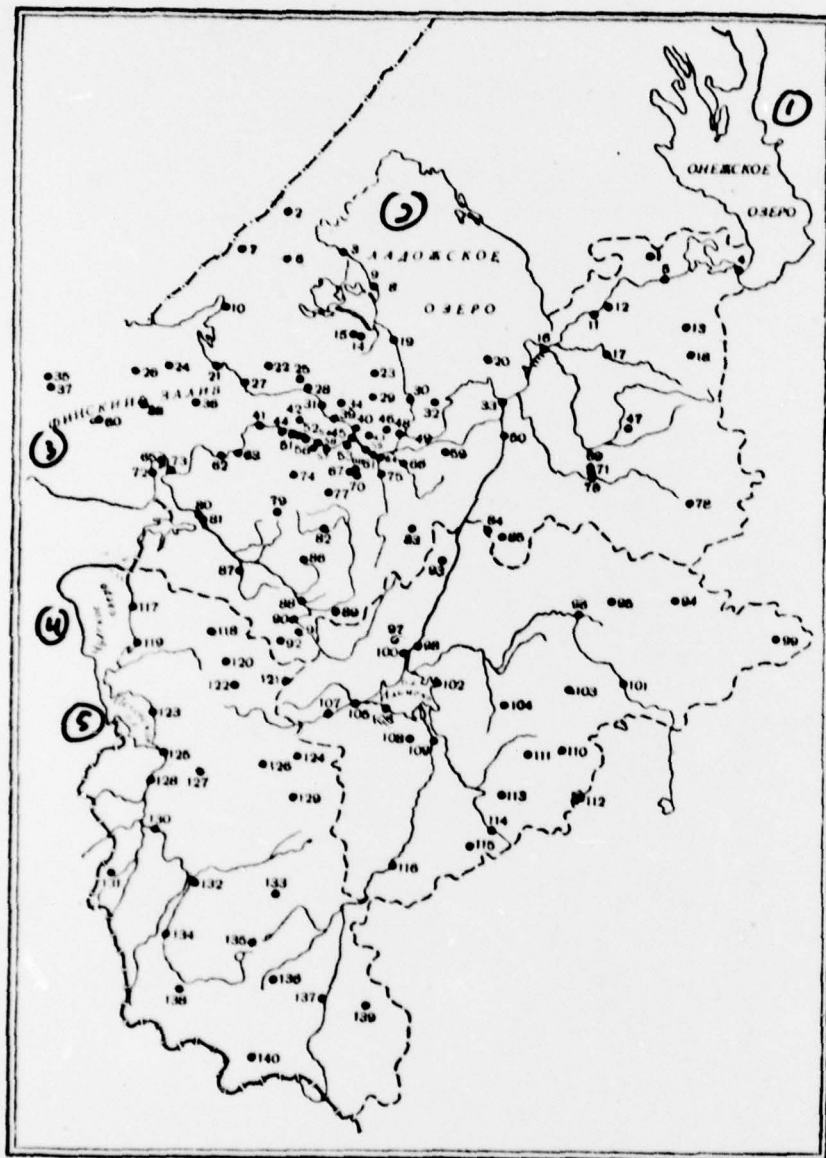
No. Station

- | | |
|-----------------------|-------------------------------------|
| 1. Chernaya Reka | 34. Porosozero |
| 2. Chupa | 35. Shun'ga |
| 3. Olanga | 36. Kuganavolok |
| 4. Loukhi | 37. Spasskaya Guba |
| 5. Gridino | 38. Vyartsilya |
| 6. Kesten'ga | 39. Kondopoga |
| 8. Pil'dozero | 40. Suoyarvi |
| 9. Pon'goma | 41. Sennaya Guba |
| 10. Ukhta | 42. Yanis'yarvi |
| 11. Kem', port | 43. Suistamo, Leppyasyur'ya |
| 12. Panozero | 44. Klimentitsy |
| 13. Kem', city | 45. Petrozavodsk, Sulazh-Gora |
| 14. Poduzhem'ye | 46. Petrozavodsk, lake |
| 15. Yushkozero | 47. Vasilisin |
| 16. Zhuzhmuy, island | 48. Pudozh |
| 17. Raz-Navolok | 50. Petrozavodsk, city |
| 18. Belomorsk | 51. Kolodozero |
| 19. Ikmasozero | 52. Sortavala |
| 20. Kolezhma | 53. Pryazha |
| 21. Rugozero | 54. Impilakhti |
| 22. Vorenzha | 55. Palalakhta |
| 23. Nadvoytsy | 56. Valaam |
| 24. Reboly | 57. Ladva |
| 25. Segezha | 58. Mantsinsaari |
| 26. Padany | 59. Khankhipaasi, lighthouse/beacon |
| 27. Masel'skaya | 60. Kurkiyoki |
| 28. Morskaya Masel'ga | 61. Kheynyaluoto, lighthouse/beacon |
| 29. Danilovo | 62. Khiitole, Khiyekkalakhti |
| 30. Medvezh'yegorsk | 63. Vidlitsa |
| 31. Kudam-Guba | 64. Andrusovo |
| 32. Povenets | 65. Olonets |
| 33. Sovdozero | |

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MAP OF THE NETWORK OF METEOROLOGICAL STATIONS
IN THE LENINGRAD, NOVGOROD AND PSKOV OBLASTS

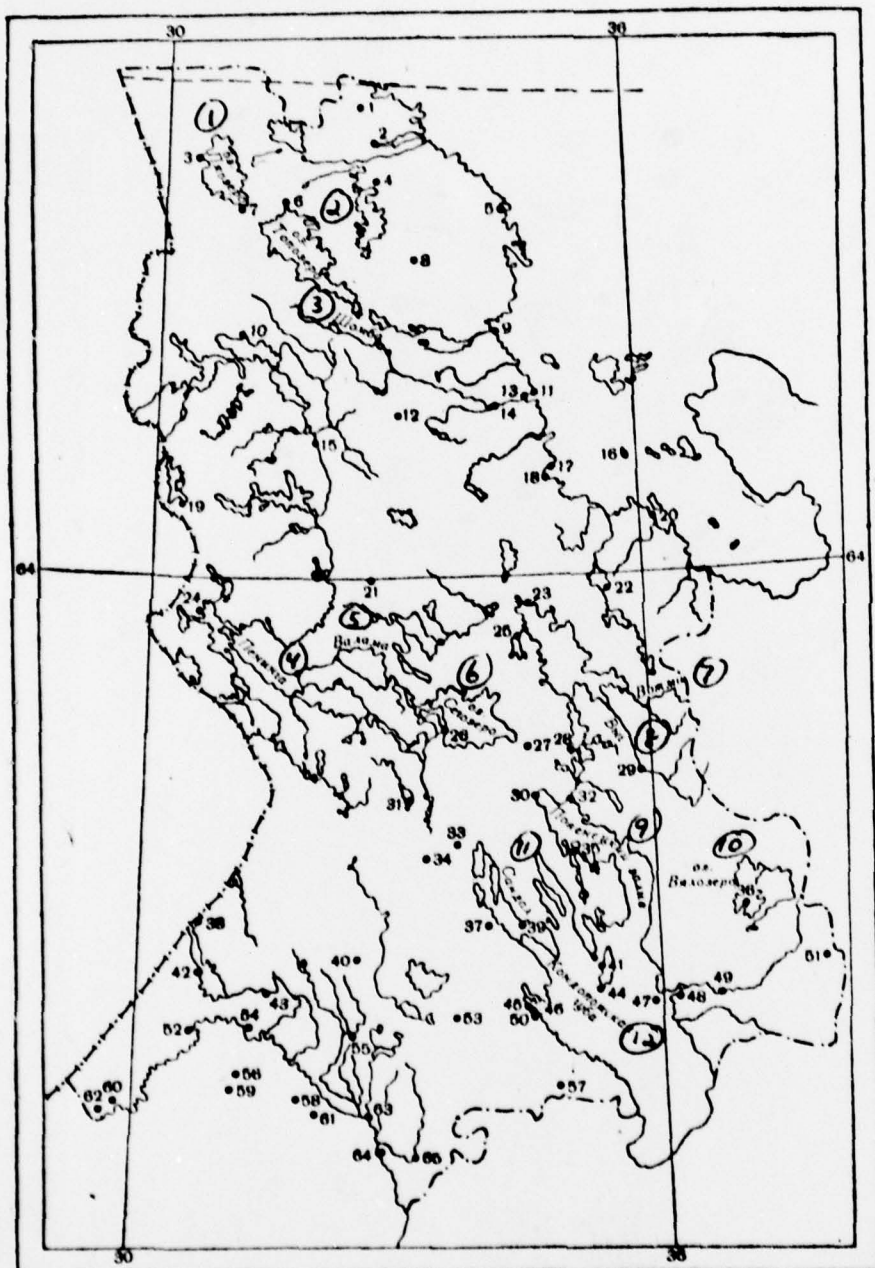
КАРТА СЕТИ МЕТЕОРОЛОГИЧЕСКИХ СТАНЦИЙ ПО ЛЕНИНГРАДСКОЙ,
НОВГОРОДСКОЙ И ПСКОВСКОЙ ОБЛАСТЯМ



Key: (1) Onezhskoye Ozero [lake];
(2) Lake Ladoga
(3) Gulf of Finland
(4) Chudskoye Ozero [lake]
(5) Pskovskoye Ozero [lake]

MAP OF THE METEOROLOGICAL STATIONS IN THE
KARELIAN ASSR

КАРТА СЕТИ МЕТЕОРОЛОГИЧЕСКИХ СТАНЦИЙ ПО КАРЕЛЬСКОЙ АССР



- (1) Pya Ozero [lake]; (2) Top Ozero; (3) Shomba;
(4) Peninga; (5) Valama; (6) Seg Ozero;
(7) Vozhmi; (8) Vyg; (9) Povenetskiy Zaliv;
(10) Sandal; (11) Kondopozhskaya Guba.

No. of station	№ станции	Станция Station	№ станции No.	Станция Station
		Ленинградская область	57	Стрельна
			58	Стрельна, с.-х. ст.
1	Токари		59	Приладага
2	Лесогорский		60	Большой Тютерс
3	Приозерск		61	Ново-Саратовская
4	Вознесенье		62	Старое Гарколово
5	Митусово		63	Систо-Палкино
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2. Lesogorskiy
3. Priozersk
4. Voznesen'ye
5. Myatusovo
6. Khannila
7. Ryattiyarvi
8. Konevets
9. Sortanlakhti, lighthouse
10. Vyborg
11. Lodeynoye Poly
12. Svir'stroy
13. Vinnitsy
14. Sosnovo
15. Sosnovo, old station
16. Sviritsa
17. Valdanitsy
18. Mininskaya
19. Mizhniye Nikulyasy
20. Sukho, lighthouse
21. Primorsk
22. Sosnovyy Bor
23. Garbolovo
24. Narvskiy, island
25. Roshchino
26. Mayak, island
27. Ozerki
28. Zelenogorsk
29. Toksovo
30. Osinovets
31. Sestroretsk
32. Karedzhi, lighthouse
33. Novaya Ladoga
34. Levashevo
35. Gogland
36. Seskar
37. Gogland I
38. Moshchnyy
39. Lisiy Nos
40. Leningrad, Lesnoy
41. Shepelevskiy, lighthouse
42. Kronshtadt
43. Leningrad, airport
44. Lebyazh'ye
45. Leningrad, GMO
46. Voyeykovo
47. Xhugozero
48. Chernaya Rechka
49. Petrokrepost'
50. Volkhov

51. Lomonosov, forestry technical school
52. Lomonosov
53. Nevskaya (city of Leningrad)
54. Petrodvorets
55. Leningrad, china clay plant
56. Petrodvorets, park
57. Strel'na
58. Strel'na, agricul. station
59. Priladoga
60. Bol'shoy Tyuters
61. Novo-Saratovskaya
62. Staroye Garkolovo
63. Sisto-Palkino
64. Porogi ra Neve
65. Kaybolovo
66. Mga
67. Pushkin
68. Pushkin, agricul. station
69. Tikhvin, forestry station
70. Pavlovsk
71. Tikhvin, Berezovik
72. Gakkovo
73. Ust'-Luga
74. Kipen'
75. Sablino
76. Tikhvin
77. Gatchina
78. Yefimovskaya
79. Volosovo
80. Novopyatnitskaya
81. Kingisepp
82. Belogorka
83. Lyuban'
84. Vil'i Gory
85. Budogoshch'
86. Nizovskaya
87. Os'mino
88. Tolmachevo
89. Oredezh
90. Luga
91. Zamosh'ye Ol'gino
92. Nikolayevskoye

Novgorodskaya Oblast

93. Chudovo
94. Khvoynyy
95. Kamenka
96. Vereb'ye
97. Novgorod, swamp station

98. Khutyn'
99. Okhony
100. Novgorod
101. Borovich1
102. Voytsy
103. Okulovka
104. Kresttsy
105. Shimsk i Shelon'
106. Korostyn'
107. Sol'tsy na Sheloni
108. Staraya Russa
109. Parfinsk forestry school
110. Valday
111. Semenovshchina
112. Vel'ye

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116.	Kholm	129.	Dedovichy
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121.	Zamosch'ye, swamp station	135.	Skokovo
122.	Strugi Krasnyye	136.	Bazlovo
123.	im. Zalita, island	137.	Velikiye Luki
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